

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

JANUARY 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of January 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4002 living children, of whom 2012 were male and 1990 female. The male children are 61 more than in the previous month, but 4 fewer than in January of last year. The female children are 122 more than in the previous month, and 60 more than in January of last year. The total children are 183 more than in the previous month, 56 more than in January of last year, and 20 more than the mean of the numbers registered in the three preceding months. The equivalent annual birth-rate is 19·5 per thousand of the estimated aggregate population, which is 0·8 above that of the previous month, and 0·2 above that of January of last year, but is 0·2 less than the mean of the rates of the three preceding months. In the individual towns the monthly birth-rate ranged from 26·8 in Motherwell, 26·7 in Coatbridge, and 24·5 in Greenock, to 11·7 in Perth, 14·1 in Dundee, 15·6 in Edinburgh, and 16·2 in Aberdeen. In Hamilton it was 23·6; in Clydebank, 22·0; in Glasgow, 21·3; in Leith, 20·3; in Paisley, 18·9; in Kilmar-nock, 18·8; in Ayr, 18·2; in Falkirk, 17·2; and in Kirkcaldy, 16·8.

Of the 4002 children whose births were registered, 3572, or 89·3 per cent., were legitimate, while 430, or 10·7 per cent., were illegitimate. The illegitimate children of the month number 54 more than in the previous month, 56 more than the mean of the numbers for the three preceding months, and 105 more than in January of last year. The illegitimate rate is 0·9 more than that of the previous month, 1·3 more than the mean of those of the three preceding months, and 2·5 more than that of January of last year. Both the actual number of illegitimate children registered in these sixteen towns and the illegitimate rate are higher than in any month since these sixteen towns have been dealt with in these monthly reports, and that is since January 1913. In 1915, 1916, and 1917 the monthly number of illegitimates averaged less than 340; in 1913 it was 346; in 1914, 361; in 1918, 357; and in this month is found to be 430. In the individual towns this rate ranged from 19·4 per cent. in Perth, 17·3 in Falkirk, and 16·2 in Edinburgh, to 1·1 in Clydebank, 3·1 in Motherwell, and 5·9 in Coatbridge. In Dundee it was 14·2;

in Aberdeen, 13·4 ; in Glasgow, 10·6 ; in Paisley, 10·4 ; in Kilmarnock, 8·3 ; in Ayr, 7·8 ; in Hamilton, 7·5 ; in Greenock, 7·2 ; in Kirkcaldy, 6·9 ; and in Leith, 6·1.

Marriages registered numbered 2247. They are 118 more than registered in the previous month, 410 more than the mean of the numbers registered in the three preceding months, and 97 more than registered in January of last year. The equivalent annual marriage-rate is 10·9 per thousand, which is 0·5 more than that of the previous month, 1·8 more than the mean of those of the three preceding months, and 0·4 more than that of January of last year. In the individual towns this rate varied from 12·7 in Edinburgh, 12·0 in Glasgow, 11·6 in Coatbridge, and 11·0 in Perth, to 4·7 in Hamilton, 7·2 in Kilmarnock, 7·4 in Clydebank, and 7·7 in Leith. In Dundee this rate was 10·5 ; in Aberdeen, 9·9 ; in Motherwell, 9·5 ; in Falkirk, 9·3 ; in Ayr, 9·3 ; in Paisley, 8·9 ; in Kirkcaldy, 8·7 ; and in Greenock, 8·0.

Deaths registered in these towns during the month numbered 3741, of which 1866 were of males, and 1875 of females. These deaths include those of 358 persons with usual residence outwith the town of registration, but do not include those of 241 persons with usual residence in one or other of these towns, but dying elsewhere in Scotland, and the difference, 117, falls to be deducted to get the corrected number, which is thus found to be 3624. This number is 142 in excess of that of the previous month, and 306 more than that of January of last year, but 1053 less than the mean of the numbers for the three preceding months.

The death-rate of the month, corrected, is 17·7 per thousand. It is 0·7 more than that of the previous month, and 1·5 more than that of January of last year, but is 5·4 less than the mean of those of the three preceding months. In the individual towns the monthly corrected death-rate varied from 35·1 in Coatbridge, 24·4 in Leith, and 21·1 in Perth, to 10·6 in Clydebank, 12·2 in Kirkcaldy, and 12·5 in Ayr. In Edinburgh this rate was 19·7 ; in Dundee, 19·3 ; in Falkirk, 18·5 ; in Hamilton, 18·3 ; in Motherwell 17·9 ; in Kilmarnock, 17·9 ; in Aberdeen, 16·6 ; in Glasgow, in Paisley, and in Leith, 16·4.

Deaths of children of less than one year old numbered 619. They are 92 more than in the previous month, 78 more than the mean of the numbers of the three preceding months, and 111 more than in January of last year. These deaths are equal to an infantile death-rate of 152 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, which rate is 23 more than that of the previous month, 17 more than the mean of those of the three preceding months, and 28 more than that of January of last year. In the individual towns this rate varied from 288 in Falkirk, 254 in Leith, and 223 in Paisley, to 68 in Kirkcaldy, 78 in Clydebank, 112 in Greenock, and 113 in Ayr. In Dundee this rate was 215 ; in Motherwell, 211 ; in Coatbridge, 210 ; in Hamilton, 207 ; in Edinburgh, 194 ; in Aberdeen, 170 ; in Kilmarnock, 145 ; in Perth, 128 ; and in Glasgow, 119.

Deaths from pneumonia numbered 693, and from bronchitis, 438 ; the former are 68 fewer than in the previous month, but 338 more than in January of last year, while the latter are 68 more than in the previous month, and 76 more than in January of last year.

Deaths of which influenza was the sole named cause numbered 45, and those of which influenza was one of two or more named causes, 286. In the previous month these figures were 64 and 428 respectively. Collectively these deaths numbered 331, and equal an annual death-rate of 1·6 per thousand, which is 0·8 less than in the previous month, and 6·5 less than in November. In the individual towns this death-rate varied from 13·5 in Coatbridge, 3·3 in Leith, and 3·2 in Perth, to 0·6 in Kirkcaldy and in Hamilton, and 0·7 in Greenock and in Ayr. In Glasgow this rate was 0·9 ; in Edinburgh, 2·2 ; in Dundee, 2·4 ; and in Aberdeen 1·5.

Deaths from all forms of tuberculosis numbered 326, of which 224 were ascribed to phthisis. The former are 14 more than in the previous month, but 38 fewer than in January of last year. The latter are 16 more than in the previous month, but 21 fewer than in January of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

JANUARY 1919.

Mean barometric pressure, 29·635 in.; less than the average of 1881–1915 by 0·233 in.

Mean temperature, 37°·2; less by 0°·9.

Mean daily range of temperature, 7°·3; less by 1°·6.

Rain, number of days, 22; greater by 4 days.

Rain, depth in inches, 3·20; greater by 0·16 in.

Wind, direction of: a 4 days' excess of winds from between N.E. and S.E.

Hence the month was characterised by an abnormally low mean pressure; a slightly low mean temperature, with a rather low mean daily range; a fractionally high mean rainfall; and an excess of winds from an easterly quarter.

Pressure conditions were at first very variable with some low readings of the barometer, whilst towards the end of the month an anticyclone over the North Sea was the dominant influence. In spite of some high readings during the last ten days the mean of the month was abnormally low. At Leith, at sea-level, pressure was above 30 in. on 18th and 19th, from 22nd to 25th, and from 29th to 31st; and the extremes at that place were 30·48 in. on 23rd, and 28·78 in. on 6th.

Except on 1st, and around 19th, temperature until 25th was as a rule fairly high by night though moderate by day, whilst a cold easterly type of weather which prevailed during the last week was much less rigorous in Scotland than in England. The lowest reading reported was 12° at Braemar on 1st (as compared with a minimum of –3° at West Linton in January 1918), and on the whole temperature fluctuations were moderate for mid-winter. The mean for the month was at Aberdeen fully equal to the normal, but in most districts rather below it. As regards the chief towns the mean was 37°·2, or 0°·9 below the normal; the days were 1°·7 and the nights 0°·1 below their respective averages; and the extremes were 48° at Greenock on 13th, and 16° at Perth on 1st.

Rain, sleet or snow fell heavily in most districts on 1st,—as much as 1·57 in. at Rothesay,—and at many places a quarter or a third of the month's total was accounted for on that day. Towards north-east there were again rather heavy falls on 2nd. Thereafter fair to fine and moderately wet periods alternated,—as much as 1·63 in. at Gruline (Mull) on 13th,—though rain was seldom general in all districts. After 26th precipitation hardly occurred except in east and south-east. Aggregates as a rule in excess in the east,—at Gordon Castle nearly twice the normal; deficient towards the north-west,—a little more than half the normal at Fort William; and rather variable elsewhere. The mean for the chief towns was 3·20 in., or 105 per cent. of the normal.

Wind force was high on 1st and around 9th and 13th. In some districts where snow fell on 1st it lay on the ground for three or four days; there were some unimportant snowfalls during the third week; and a rather heavy fall in many districts on 26th and 27th,—as much as one foot at West Linton,—though but little, and here and there none, on the fringe of the east coast.

Thunder, or thunderstorms, occurred at Gordon Castle on 5th; at points in the Clyde area on 10th; at Roshven on 13th; and at Rothesay and Portree on 25th.

Fog occurred rather widely during the week ending 25th, and at Edinburgh and elsewhere no sunshine was recorded during that week.

Aurora was noted at one or more points on as many as 11 nights, displays on 3rd, 16th, and 18th, and 31st being widely observed.

NOTE.—For meteorological table see p. 8.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JANUARY 1919.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1918.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, . . .	1,008,487	1,114,100	1004	1024	2028	1813	215	1139	812	792	1604	123	77	1558	
EDINBURGH, . .	320,769	333,200	236	209	445	373	72	362	304	305	609	96	49	562	
DUNDEE, . . .	176,035	182,100	107	111	218	187	31	162	147	158	305	14	7	298	
ABERDEEN, . .	163,891	165,200	118	113	231	200	31	141	110	148	258	32	11	237	
PAISLEY, . . .	84,455	89,300	72	72	144	129	15	68	68	63	131	14	8	125	
LEITH, . . .	80,601	83,100	70	77	147	132	9	56	88	71	159	20	37	176	
GREENOCK, . .	75,140	79,900	80	86	166	154	12	54	57	58	115	6	2	111	
PERTH, . . .	35,854	35,300	19	17	36	29	7	34	47	30	77	15	3	65	
TOTAL . (EIGHT TOWNS)	1,945,282	2,082,200	1706	1709	3415	3023	392	2016	1633	1625	3258	320	194	3132	
COATBRIDGE, . .	43,290	44,600	60	41	101	95	6	44	71	65	136	7	4	133	
MOTHERWELL . .	40,380	42,000	54	42	96	93	3	34	23	32	55	0	9	64	
KIRKCALDY . . .	39,601	40,100	31	27	58	54	4	30	14	27	41	2	3	42	
HAMILTON, . . .	38,644	39,600	43	37	80	74	6	16	30	30	60	4	6	62	
CLYDEBANK, . .	37,548	48,400	41	48	89	88	1	30	13	18	31	0	12	43	
KILMARNOCK, . .	34,728	37,600	29	31	60	55	5	23	32	26	58	5	4	57	
FALKIRK, . . .	33,574	35,700	24	28	52	43	9	28	31	27	58	9	7	56	
AYR, . . .	32,986	34,900	24	27	51	47	4	26	19	25	44	11	2	35	
TOTAL . (SIXTEEN TOWNS)	2,246,033	2,045,100	2012	1990	4002	3572	430	2247	1866	1875	3741	358	241	3624	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JANUARY 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	21·3	10·6	12·0	16·9	16·4	0·8	1·7	1·1	4·9	240	119
EDINBURGH, . .	15·6	16·2	12·7	21·3	19·7	1·9	1·6	1·1	6·9	87	194
DUNDEE, . . .	14·1	14·2	10·5	19·8	19·3	0·8	1·2	0·7	6·6	54	215
ABERDEEN, . .	16·2	13·4	9·9	18·1	16·6	0·4	1·3	1·2	4·4	40	170
PAISLEY, . . .	18·9	10·4	8·9	17·2	16·4	0·5	1·3	1·2	4·6	33	223
LEITH, . . .	20·3	6·1	7·7	22·0	24·4	2·9	1·9	1·5	9·5	35	254
GREENOCK, . .	24·5	7·2	8·0	17·0	16·4	0·1	1·5	1·0	4·3	20	112
PERTH, . . .	11·7	19·4	11·0	25·0	21·1	0·0	1·9	1·3	8·1	5	128
TOTAL . . . (EIGHT TOWNS)	19·2	11·5	11·3	18·3	17·6	1·0	1·6	1·1	5·5	514	149
COATBRIDGE, . .	26·7	5·9	11·6	35·9	35·1	0·8	1·3	0·8	20·9	22	210
MOTHERWELL, . .	26·8	3·1	9·5	15·4	17·9	0·8	1·7	1·1	7·3	20	211
KIRKCALDY, . .	16·8	6·9	8·7	11·9	12·2	0·9	1·2	0·6	1·4	4	63
HAMILTON, . . .	23·6	7·5	4·7	17·7	18·3	0·9	3·0	1·8	6·2	19	207
CLYDEBANK, . .	22·0	1·1	7·4	7·7	10·6	0·5	0·5	0·2	3·2	8	78
KILMARNOCK, . .	18·8	8·3	7·2	18·2	17·9	0·6	1·6	0·9	6·3	9	145
FALKIRK, . . .	17·2	17·3	9·3	19·2	18·5	2·6	1·0	0·7	5·0	17	288
AYR, . . .	18·2	7·8	9·3	15·7	12·5	0·7	1·4	1·4	4·6	6	113
TOTAL . . . (SIXTEEN TOWNS)	19·5	10·7	10·9	18·2	17·7	1·0	1·6	1·1	5·7	619	152

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JANUARY 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JAN. 1919, .	19·5	10·7	10·9	17·7	1	0	10	9	110	44	29	152	37°·2
JAN. 1918, .	19·3	8·2	10·5	16·2	2	0	105	6	79	32	44	124	36°·3
JAN. 1917, .	22·2	7·1	10·5	18·3	2	0	79	6	51	41	58	129	36°·1
JAN. 1916, .	23·5	6·7	12·4	14·5	6	0	93	51	17	58	41	98	43°·8
JAN. 1915, .	25·6	6·8	11·4	21·4	12	0	32	53	261	53	49	151	37°·6
JAN. 1914, .	26·7	7·5	12·2	20·4	4	0	183	45	29	65	47	151	38°·7
JAN. 1913, .	28·1	7·2	10·8	18·9	8	0	13	22	174	46	49	133	37°·6
JAN. 1912, .	26·7	6·3	11·6	18·5	14	0	205	33	72	53	38	132	37°·5
JAN. 1911, .	25·9	8·1	11·0	17·4	12	0	7	21	78	42	47	119	39°·9
JAN. 1910, .	25·8	7·3	10·4	19·6	15	0	208	26	26	38	55	140	36°·4
JAN. 1909, .	28·1	7·3	10·2	19·4	9	0	5	19	147	39	50	138	39°·0

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Typhus Fever - - - - -	2	-	-	-	-	-	1	-	1	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	10	2	7	-	-	-	1	-	-	-	-	-
Scarlet Fever - - - - -	9	-	6	1	1	-	1	-	-	-	-	-
Whooping-cough - - - - -	110	34	73	3	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	44	3	28	8	3	-	2	-	-	-	-	-
Influenza - - - - -	45	6	5	-	3	6	3	7	4	6	2	3
Erysipelas - - - - -	2	1	-	-	-	-	-	-	1	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	224	-	3	4	14	50	44	45	37	16	10	1
Tuberculous Meningitis - - - - -	35	3	14	10	3	4	1	-	-	-	-	-
Abdominal Tuberculosis - - - - -	32	4	15	5	2	3	1	2	-	-	-	-
Other Tuberculous Diseases - - - - -	35	1	5	5	6	8	1	2	5	1	-	1
Cancer, Malignant Disease - - - - -	223	-	-	-	-	1	3	17	52	73	63	14
Rheumatic Fever - - - - -	8	-	-	-	-	3	1	1	2	-	1	-
Meningitis - - - - -	42	8	17	5	3	3	1	2	3	-	-	-
Organic Heart Disease - - - - -	287	2	-	-	5	12	16	22	42	64	73	51
Bronchitis - - - - -	438	99	21	1	-	3	14	17	37	62	100	84
Pneumonia (all forms) - - - - -	693	134	145	27	10	54	93	47	60	68	36	19
Other Diseases of Respiratory Organs - - - - -	48	6	8	1	-	4	-	3	4	9	9	4
Diarrhoea and Enteritis (under 2 years) - - - - -	29	24	5	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	23	-	-	-	4	8	4	5	2	-	-	-
All Liver Diseases (not Malignant) - - - - -	11	-	1	-	1	-	1	-	1	4	1	2
Other Diseases of Digestive System - - - - -	84	12	8	3	1	6	3	7	9	16	10	9
Nephritis and Bright's Disease - - - - -	79	-	2	-	2	3	3	9	15	21	18	6
Puerperal Sepsis - - - - -	3	-	-	-	-	1	1	1	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	21	-	-	-	-	5	10	6	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	200	198	1	1	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	112	16	17	12	1	7	9	15	5	13	13	4
Suicide - - - - -	6	-	-	-	-	-	1	1	3	-	1	-
Other Defined Diseases - - - - -	679	55	19	4	5	15	22	31	58	105	158	207
Diseases Ill-defined or Unknown - - - - -	89	11	2	-	-	1	5	3	11	23	18	15
All Causes - - - - -	3624	619	402	90	64	197	242	243	352	482	513	420

* Sole Cause specified, vide pp. 6-7.

DEATHS IN EACH TOWN (corrected for Transfers)— January 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	1	...	...	...	...	...	...	...
Typhus Fever	2	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	5	3	...	...	...	...	...	...
Scarlet Fever	4	2	...	...	1	2	...	...
Whooping-cough	43	40	...	...	...	14	...	...
Diphtheria and Croup	14	8	7	4	2	3	...	...
Influenza (<i>Sole Cause specified</i>)	18	9	4	4	1	1	...	1
Erysipelas	2	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	108	32	11	17	9	11	7	4
Tuberculous Meningitis	21	3	2	1	1	1	3	...
Abdominal Tuberculosis	13	5	5	...	...	1	...	1
Other Tuberculous Diseases	23	5	...	1	...	1	...	1
Cancer, Malignant Disease	96	40	22	18	8	8	5	4
Rheumatic Fever	4	...	...	1	...	...	1	...
Meningitis	18	2	2	2	3	2	1	2
Organic Heart Disease	110	38	34	35	11	14	13	4
Bronchitis	174	85	28	28	11	21	13	11
Pneumonia (all forms)	270	103	70	33	24	44	13	14
Other Diseases of Respiratory Organs	22	10	4	2	...	4	3	...
Diarrhoea and Enteritis (under 2 years)	13	...	6	1	1	2	1	...
Appendicitis and Typhlitis	13	3	2	2	...	1	1	...
All Liver Diseases (not Malignant)	6	...	2	1	...	...	1	...
Other Diseases of Digestive System	45	10	7	4	4	...	2	2
Nephritis and Bright's Disease	34	21	1	3	2	3	5	2
Puerperal Sepsis	3	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	8	1	3	1	...	2	2	1
Congenital Debility and Malformation, including Premature Birth	91	21	18	13	15	7	7	1
Violent Deaths, excluding Suicide	57	14	8	5	4	3	4	...
Suicide	1	2	...	2	...	1	...	...
Other Defined Diseases	295	99	46	50	26	28	26	16
Diseases Ill-defined or Unknown	44	6	16	9	2	2	3	1
All Causes	1558	562	298	237	125	176	111	65
<i>Influenza—Contributory Cause, otherwise classified above</i>	69	53	33	17	6	23	5	9
AGE AT DEATH.								
Under 1	240	87	54	40	33	35	20	5
1-4	181	64	26	15	12	33	5	1
5-9	43	11	14	3	2	2	2	1
10-14	29	8	2	6	3	2	4	1
15-24	98	21	21	8	7	12	8	...
25-34	95	38	19	14	8	12	8	6
35-44	115	34	18	11	5	8	7	6
45-54	167	44	28	22	14	18	17	5
55-64	227	69	39	34	11	17	8	15
65-74	204	103	49	34	19	19	16	16
75 and over	159	83	28	50	11	18	16	9
All Ages	1558	562	298	237	125	176	111	65

DEATHS IN EACH TOWN (corrected for Transfers)—January 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	2	...	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	...	...	...
Whooping-cough	2	...	...	...	2	1	7	1
Diphtheria and Croup ... ..	...	1	3	1	...	1	...	...
Influenza (<i>Sole Cause specified</i>)	5	1	...	...	...	...	1	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	3	4	2	6	1	3	2	4
Tuberculous Meningitis ... ..	...	2	...	...	...	...	1	...
Abdominal Tuberculosis	2	...	...	3	1	1	...	...
Other Tuberculous Diseases ... ..	...	...	2	1	...	1	...	...
Cancer, Malignant Disease	3	3	2	2	2	5	4	1
Rheumatic Fever ... ..	...	...	...	...	2	...	...	...
Meningitis	3	...	2	1	...	1	2	1
Organic Heart Disease	5	2	6	5	2	1	4	3
Bronchitis	18	6	3	17	6	8	5	4
Pneumonia (all forms)	61	19	2	4	5	12	10	9
Other Diseases of Respiratory Organs ... ..	...	1	...	...	2	...	...	...
Diarrhoea and Enteritis (under 2 years)	1	2	...	...	...	...	1	1
Appendicitis and Typhlitis ... ..	...	...	...	1	...	...	...	...
All Liver Diseases (not Malignant) ... ..	...	1	...	...	...	...	...	...
Other Diseases of Digestive System ... ..	...	1	2	1	3	2	1	...
Nephritis and Bright's Disease	1	...	3	...	1	1	2	...
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	1	...	1	1
Congenital Debility and Malformation, including Premature Birth	8	3	2	4	3	3	2	2
Violent Deaths, excluding Suicide	3	3	3	2	3	1	1	1
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	17	15	8	12	8	15	12	6
Diseases Ill-defined or Unknown	1	...	2	...	1	1	...	1
All Causes ...	133	64	42	62	43	57	56	35
<i>Influenza—Contributory Cause, otherwise classified above</i>	46	5	2	2	5	6	3	2
AGE AT DEATH.								
Under 1	22	20	4	19	8	9	17	6
1-4	28	10	6	9	4	3	3	2
5-9	7	...	...	1	1	3	...	...
10-14	2	...	...	2	1	4	...	...
15-24	7	6	1	1	1	1	3	2
25-34	12	4	4	5	6	4	2	5
35-44	12	5	4	5	4	3	1	5
45-54	6	2	3	3	4	6	7	6
55-64	16	8	8	7	8	4	8	3
65-74	12	5	7	7	2	8	10	2
75 and over	9	4	5	3	4	12	5	4
All Ages ...	133	64	42	62	43	57	56	35

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JANUARY 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.										
	feet.	inch.	inch.	Mean of		Mean of A and B (Mean Temperature).	Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.								
				Maximum (A).	Minimum (B.)			Maximum	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.				Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, JAMES CONNELL, The Observatory.	184	29.432	29.640	41.1	34.6	37.9	-0.7	46	14, 24 25	25	28th	37.8	1.4	.200	89	21	3.32 +0.05	4	9	10	4	4	13	10	1	7
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.147	29.635	40.6	34.2	37.4	-0.6	47	14th	28	28th	37.5	1.4	.197	88	22	2.06 +0.30	4	4	5	6	12	10	9	3	9
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.445	29.631	39.4	31.6	35.5	-1.6	45	25th	22	19th	36.1	0.7	.200	94	22	2.60 +0.65	0	14	0	15	1	22	2	8	0
ABERDEEN,* The Meteorological Office.	90	29.526	29.628	41.6	34.6	38.1	+0.2	46	9th	27	13, 20	38.5	0.8	.217	93	20	3.43 +1.25	2	4	4	7	17	11	9	8	0
PAISLEY, The Coats Observatory.	107	29.524	29.645	41.7	33.8	37.8	-1.3	47	14, 17	26	19, 28,	38.0	1.3	.203	89	22	4.14 +0.15	2	8	7	4	9	8	5	4	15
LEITH,† JAMES BOLAM, Navigation School.	76	29.550	29.636	40.9	34.1	37.5	-1.6	47	13th	26	19th	38.3	1.4	.203	88	24	2.20 +0.40	4	4	8	8	12	12	0	6	
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.376	29.640	41.5	34.7	38.1	-0.2	48	13th	29	29th	38.1	1.4	.202	88	24	5.24 -1.60	0	7	12	13	1	9	15	4	1
PERTH,† JOHN RITCHIE, The Museum.	22	29.600	29.624	40.6	30.9	35.8	-1.2	46	24th	16	1st	35.5	0.7	.195	94	19	2.62 +0.11	6	7	3	1	10	10	9	16	0
Means	165	29.450	29.635	40.9	33.6	37.2	-0.9	..	..	..	..	37.5	1.1	.202	90	22	3.20 +0.16	3	7	6	7	8	12	9	5	5

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & Co., LTD., Thistle Street, Edinburgh.

Price Sixpence.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

FEBRUARY 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of February 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3214 living children, of whom 1650 were male and 1564 female. The male children are 362 fewer than registered in the previous month, and 114 fewer than registered in February of last year. The female children are 426 fewer than registered in the previous month, and 150 fewer than in February of last year. The total children of the month are 788 fewer than those of the previous month, 264 fewer than those of February of last year, and 655 fewer than the mean of the numbers of the three preceding months. The equivalent annual birth-rate is 17·3 per thousand of the estimated aggregate population of these towns, which is 2·2 less than that of the previous month, 1·8 less than the mean of those of the three preceding months, and 1·6 less than that of February of last year. It is the lowest collective monthly birth-rate of these sixteen towns yet recorded. In the individual towns the monthly birth-rate varied from 29·1 in Motherwell, 25·8 in Hamilton, and 25·5 in Greenock, to 12·2 in Perth, 12·5 in Kilmarnock, and 13·0 in Edinburgh. In Coatbridge the birth-rate was 22·8; in Clydebank, 21·6; in Leith, 18·7; in Glasgow, 18·5; in Paisley, 15·6; in Falkirk, 15·4; in Kirkcaldy, 14·8; in Dundee, 14·6; in Aberdeen, 14·3; and in Ayr, 13·4.

Of the 3214 children whose births were registered, 2899, or 90·2 per cent., were legitimate, while 315, or 9·8 per cent., were illegitimate. The illegitimate children of the month number 115 less than in the previous month, but 70 fewer than the mean of the numbers of the three preceding months, and 35 more than in February of last year. The illegitimate rate is 0·9 less than that of the previous month, and 0·1 less than the mean of those of the three preceding months, but is 1·7 more than that of February of last year. In the individual towns this rate varied from 17·0 per cent. in Edinburgh, 16·7 in Dundee, 14·7 in Ayr, and 14·3 in Falkirk, to 3·2 in Motherwell, 3·8 in Hamilton, 5·1 in Coatbridge, and 5·6 in Kilmarnock. In Aberdeen this rate was 9·8; in Glasgow, 9·0; in Perth, 8·8; in Kirkcaldy, 8·7; in Clydebank, 7·6; in Paisley, 7·5; in Greenock, 7·1; and in Leith, 6·6.

Marriages registered in these towns numbered 1382. They are 865 fewer than registered in the previous month, 567 less than the mean of the numbers registered in the three preceding months, and 29 fewer than registered in February of last year. The equivalent annual marriage-rate is 7·5 per thousand. It is 3·4 less than that of January, 2·1 less than the mean of those of the three preceding months, and 0·1 less than that of February of last year. In the individual towns this rate varied from 11·0 in Edinburgh, 9·3 in Perth, and 8·8 in Aberdeen, to 2·5 in Motherwell, 4·1 in Paisley, 4·6 in Greenock, and 4·8 in Kirkcaldy. In Ayr the marriage-rate was 7·5; in Glasgow, 7·3; in Dundee, 7·2; in Falkirk, 7·0; in Kilmarnock, 6·9; in Clydebank, 6·0; in Coatbridge, 5·6; in Leith, 5·2; and in Hamilton, 5·2.

Deaths registered in these towns during the month numbered 6268, of which

3059 were of males, and 3209 of females. These deaths include those of 436 persons who, though dying in one or other of these towns, had a usual residence out with the town of registration, but exclude those of 282 persons dying elsewhere in Scotland, but having usual residence in one or other of the towns, and the difference, 154, falls to be deducted to get the corrected number for the month, which is thus found to be 6114. This number is 2490 more than that of the previous month, 2109 more than the mean of those of the three preceding months, and 3534 more than that of February of last year. It is the largest number of deaths recorded in any month since these sixteen towns were collectively dealt with in these reports, and that is since January 1912.

The deaths registered in these towns during the month, corrected, outnumber the births registered by 2900, or by 90 per cent. Of the sixteen towns Motherwell, Hamilton and Clydebank are the only three in which the births of the month outnumbered the deaths, in each of the remaining thirteen the deaths being in excess. The excess of deaths over births in Edinburgh was 872, or 260 per cent.; in Glasgow, 1405, or 89 per cent.; in Dundee, 153, or 75 per cent.; and in Aberdeen, 131, or 71 per cent.

The collective death-rate of the sixteen towns was 33·0. It is 15·3 more than that of the previous month, 13·2 more than the mean of those of the three preceding months, and 19·0 more than that of February of last year. It is the highest monthly collective death-rate of these towns since January 1912, the date since which all sixteen towns have been collected in these monthly reports. Previous to 1912 eight towns only were included in these reports, Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock and Perth; in these eight the collective monthly death-rate was 34·6, and since 1874 a higher rate only occurred in three months, February 1895, January 1875 and December 1874, which were 35·5, 36·4 and 40·5 respectively.

In the individual towns the corrected death-rate of the month ranged from 46·8 in Edinburgh, 36·5 in Leith, and 34·8 in Glasgow, to 16·7 in Kilmarnock, 18·3 in Clydebank, and 18·6 in Hamilton. In Coatbridge this rate was 31·3; in Greenock, 29·6; in Paisley, 29·4; in Perth, 29·1; in Dundee, 25·5; in Aberdeen, 24·4; in Falkirk, 24·1; in Motherwell, 23·8; in Ayr, 23·3; and in Kirkcaldy, 20·2.

Deaths of children of less than one year old numbered 732. They are 113 more than in the previous month, 170 more than the mean of the numbers of the three preceding months, and 335 more than in February of last year. The equivalent infantile mortality rate is 200 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 48 more than that of the previous month, 60 more than the mean of those of the three preceding months, and 90 more than that of February of last year. It is the highest recorded in these monthly returns since 1901, which is the first year for which this rate has been calculated. In the individual towns this rate varied from 429 in Perth, 291 in Dundee, and 272 in Edinburgh, to 93 in Kilmarnock, 96 in Falkirk, and 106 in Greenock. In Kirkcaldy this rate was 212; in Glasgow, 201; in Ayr, 191; in Aberdeen, 175; in Paisley, 168; in Coatbridge, 161; in Motherwell, 161; in Leith, 159; in Hamilton, 145; and in Clydebank, 109.

Deaths from pneumonia numbered 2198, and from bronchitis, 799. Compared with the number in the previous month the former are 1505, and the latter 361 more. Compared with the number of February of last year the former are 1943, and the latter 613 more.

Deaths of which influenza was the sole named cause numbered 238, but there were 1567 other deaths in which influenza was one of two or more named causes, and the total death certificates during the month in which influenza was named numbered 1805. This total is 1474 more than in the previous month, and more than in all recent months with the exception of October last, when they numbered 2001. Collectively these 1805 deaths equal an annual mortality of 9·7 per thousand, which rate varied from 19·6 in Edinburgh, 13·6 in Leith, 10·8 in Paisley, and 9·7 in Glasgow, to 3·3 in Clydebank, 3·6 in Hamilton and in Ayr, and 3·8 in Kirkcaldy.

Deaths from all forms of tuberculosis numbered 370, of which 260 were ascribed to phthisis. The former are 44 more than in the previous month, and 55 more than in February of last year. The latter are 36 more than in January and 48 more than in February of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

FEBRUARY 1919.

Mean barometric pressure, 29·808 in. ; less than the average of 1881–1915 by 0·035 in.

Mean temperature, 34°·5 ; less by 4°·1.

Mean daily range of temperature, 8°·4 ; less by 1°·7.

Rain, number of days, 13 ; less by 3 days.

Rain, depth in inches, 1·61 ; less by 1·07 in.

Wind, direction of : a 7 days' excess of winds from N.W. or from between N. and E.

Hence the month was characterised by a slightly low mean pressure ; an abnormally low mean temperature, with a rather low mean daily range ; a decidedly low mean rainfall ; and a very large excess of north-westerly and north-easterly or easterly winds.

During the second week conditions were controlled by an anticyclone which spread southwards from the North Sea, whilst later various depressions moved eastwards across the South of England. The mean pressure of the month was slightly below the normal ; at Leith, at sea-level, readings were above 30 in. from 1st to 3rd, and from 7th to 12th ; and the extremes at that place were 30·63 in. on 9th, and 29·05 in. on 20th. There was a complete inversion of the normal south-westerly gradient over our Islands, and the mean pressure was decidedly higher in the north of Scotland than over the south of England.

The cold easterly to north-easterly type of weather which had developed during the last week of January persisted practically unbroken throughout the whole of February, and judged by its mean temperature the month ranks as a very cold one. The historic February of 1895 was much colder in every respect and that of 1900 slightly colder, but with these exceptions a February as cold has been experienced in Scotland during the last fifty years only in 1902. Moderate high day temperatures rarely occurred (54° at Colmonell on 11th), and the days were on the whole colder than in any February except that of 1895. The nights, on the other hand, were distinctly less cold than those of 1900 and 1902. On night of 4th–5th, Kingussie recorded 2° and Braemar 3°, as compared with readings below zero in both 1900 and 1902, and –17° at Braemar on 11th February 1895. For the chief towns the mean was 34°·5, or 4°·1 below the normal ; the days were 4°·9 and the nights 3°·2 below their respective averages ; and the extremes were 48° at Paisley on 23rd and 24th, and 16° at Perth on 10th.

Precipitation of any importance occurred only on 15th, between 18th and 22nd, and on 25th or 26th, and many "rain days" had only normal amounts. Except towards the south-east, where there was a moderate excess, aggregates were below the normal, and over wide areas the deficiency was remarkable. Thus Fort William (0·64 in. as compared with about 13 in. in February 1918) had hardly one-tenth of the average, and the month there was the driest February on record. Over practically the whole of the west and south of Scotland aggregates represented barely one-third or less of the average. At Edinburgh more than half the month's total was accounted for on 15th and 20th, and at Glasgow fully two-thirds of the small total of 0·90 in. was accounted for on 15th and 19th. The mean for the chief towns was 1·61 in., or 60 per cent. of the normal.

Wind force was as a rule very light. On 15th and around 19th there were moderate falls of snow, in many districts quickly giving place to rain, and some extremely light falls early in the month and on the last day or two.

Thunder was not reported.

A good deal of fog and mist occurred at times, and the third week of the month was very gloomy in nearly all parts of our Islands.

Sunshine aggregates were good in northern and in some western districts, but deficient elsewhere—e.g., 87 hours at Oban and 77 hours at Gordon Castle ; but 48 hours at Edinburgh and 43 hours at Marchmont.

A fine display of aurora was widely observed on 27th, and others less widely on 4th, 23rd and 28th.

NOTE.—For meteorological table see p. 16.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, FEBRUARY 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,114,100	832	752	1584	1441	143	628	1524	1555	3079	160	70	2989
EDINBURGH, . .	320,769	333,200	166	170	336	279	57	285	593	649	1247	129	90	1208
DUNDEE, . . .	176,035	182,100	99	104	203	169	34	101	182	191	373	20	3	356
ABERDEEN, . .	163,891	165,200	95	89	184	166	18	114	161	169	330	26	11	315
PAISLEY, . . .	84,455	89,300	53	54	107	99	8	28	93	117	210	13	5	202
LEITH, . . .	80,601	83,100	65	57	122	114	8	34	115	98	213	27	52	238
GREENOCK, . .	75,140	79,900	73	83	156	145	11	28	88	94	182	5	4	181
PERTH, . . .	35,854	35,300	16	18	34	31	3	26	52	50	102	22	1	81
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,082,200	1399	1327	2726	2444	282	1244	2813	2923	5736	402	236	5570
COATBRIDGE, . .	43,290	44,600	43	35	78	74	4	19	53	50	103	1	5	107
MOTHERWELL . .	40,380	42,000	44	50	94	91	3	8	36	37	73	0	4	77
KIRKCALDY, . .	39,601	40,100	18	28	46	42	4	15	22	36	58	2	7	63
HAMILTON, . . .	38,644	39,600	46	33	79	76	3	16	28	30	58	5	4	57
CLYDEBANK, . .	37,548	48,400	36	43	79	73	6	22	19	32	51	2	18	67
KILMARNOCK, . .	34,728	37,600	20	16	36	34	2	20	17	34	51	6	3	48
FALKIRK, . . .	33,574	35,700	26	16	42	36	6	19	36	34	70	8	4	66
AYR, . . .	32,986	34,900	18	16	34	29	5	19	35	33	68	10	1	59
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,045,100	1650	1564	3214	2899	315	1382	3059	3209	6268	436	282	6114

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, FEBRUARY 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	18·5	9·0	7·3	35·9	34·8	2·1	2·1	1·4	18·4	364	201
EDINBURGH, . .	13·0	17·0	11·0	48·3	46·8	2·2	2·6	2·0	25·1	110	272
DUNDEE, . . .	14·6	16·7	7·2	26·7	25·5	0·5	1·6	1·1	11·3	66	291
ABERDEEN, . .	14·3	9·8	8·8	25·6	24·4	0·5	1·6	1·2	10·9	37	175
PAISLEY, . . .	15·6	7·5	4·1	30·6	29·4	0·1	1·2	0·6	17·5	22	168
LEITH, . . .	18·7	6·6	5·2	32·6	36·5	2·3	2·1	1·5	19·0	20	159
GREENOCK, . .	25·5	7·1	4·6	29·7	29·6	0·8	3·3	1·8	13·2	17	106
PERTH, . . .	12·2	8·8	9·3	36·6	29·1	0·0	1·8	1·1	12·6	15	429
TOTAL . . . (EIGHT TOWNS)	17·0	10·3	7·7	35·7	34·6	1·7	2·1	1·5	17·9	651	210
COATBRIDGE, . .	22·8	5·1	5·6	30·1	31·3	5·3	1·5	0·9	12·3	15	161
MOTHERWELL, . .	29·1	3·2	2·5	22·6	23·8	0·6	1·9	1·2	10·5	14	161
KIRKCALDY, . .	14·8	8·7	4·8	18·6	20·2	0·6	1·0	0·6	9·6	11	212
HAMILTON, . . .	25·8	3·8	5·2	19·0	18·6	0·7	2·3	1·3	7·2	12	145
CLYDEBANK, . .	21·6	7·6	6·0	14·0	18·3	1·1	1·4	1·4	7·9	10	109
KILMARNOCK, . .	12·5	5·6	6·9	17·7	16·7	1·0	0·7	0·3	4·5	5	93
FALKIRK, . . .	15·4	14·3	7·0	25·6	24·1	4·0	2·6	2·2	9·1	5	96
AYR, . . .	13·4	14·7	7·5	26·8	23·3	3·2	0·8	0·4	7·5	9	191
TOTAL . . . (SIXTEEN TOWNS)	17·3	9·8	7·5	33·8	33·0	1·7	2·0	1·4	16·7	732	200

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR FEBRUARY 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
FEB. 1919, .	17·3	9·8	7·5	33·0	1	0	25	10	201	49	32	200	34°·5
FEB. 1918, .	18·9	8·1	7·6	14·0	3	0	63	4	79	29	32	110	42°·8
FEB. 1917, .	21·0	8·6	6·4	18·8	5	0	71	9	106	31	26	124	36°·5
FEB. 1916, .	22·5	7·4	8·1	15·7	6	0	125	45	14	60	31	100	37°·7
FEB. 1915, .	26·2	6·7	6·6	22·9	7	0	45	47	354	39	52	189	38°·3
FEB. 1914, .	27·4	7·3	6·5	17·3	5	0	169	33	24	52	49	140	42°·8
FEB. 1913, .	26·5	8·1	5·4	20·1	8	0	21	10	196	34	42	140	40°·3
FEB. 1912, .	26·1	6·4	5·4	20·5	10	0	252	12	62	56	51	143	39°·3
FEB. 1911, .	26·1	8·0	5·9	21·2	6	0	18	22	155	36	35	145	39°·7
FEB. 1910, .	27·0	7·5	5·7	19·3	11	0	169	26	27	43	28	122	39°·1
FEB. 1909, .	27·8	7·9	5·1	21·0	12	0	9	19	173	44	40	148	38°·9

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1919.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	1	-	-	-	-	1	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	25	5	17	3	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	10	-	5	2	1	2	-	-	-	-	-	-	-
Whooping-cough - - - - -	201	66	123	11	1	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	49	6	22	16	1	2	1	-	1	-	-	-	-
Influenza - - - - -	238	11	15	7	2	17	32	25	27	29	42	31	
Erysipelas - - - - -	3	-	-	-	-	1	-	-	-	1	-	1	
Phthisis, Pulmonary Tuberculosis - - - - -	260	-	7	7	8	58	63	48	35	24	10	-	
Tuberculous Meningitis - - - - -	33	7	20	2	2	1	1	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	29	2	13	5	1	2	2	1	3	-	-	-	
Other Tuberculous Diseases - - - - -	48	-	5	6	6	12	4	4	5	3	2	1	
Cancer, Malignant Disease - - - - -	220	-	1	-	-	2	4	21	43	65	63	21	
Rheumatic Fever - - - - -	4	-	-	-	-	2	-	1	-	1	-	-	
Meningitis - - - - -	47	17	22	-	-	3	2	-	2	1	-	-	
Organic Heart Disease - - - - -	349	1	-	-	2	13	17	21	51	67	108	69	
Bronchitis - - - - -	799	89	38	6	3	8	27	30	88	159	200	151	
Pneumonia (all forms) - - - - -	2198	241	373	71	27	239	446	177	104	204	163	53	
Other Diseases of Respiratory Organs - - - - -	98	14	12	-	1	6	9	8	6	14	14	14	
Diarrhoea and Enteritis (under 2 years) - - - - -	32	25	7	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	16	-	-	-	6	2	2	1	3	1	1	-	
All Liver Diseases (not Malignant) - - - - -	8	-	-	-	-	-	-	2	3	1	2	-	
Other Diseases of Digestive System - - - - -	96	9	13	5	5	3	4	8	7	16	16	10	
Nephritis and Bright's Disease - - - - -	124	3	5	-	6	6	14	27	26	18	13	-	
Puerperal Sepsis - - - - -	2	-	-	-	-	-	1	1	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	40	-	-	-	-	5	23	12	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	171	169	-	1	1	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	82	7	14	3	2	4	8	6	9	12	8	9	
Suicide - - - - -	4	-	-	-	-	-	-	1	1	2	-	-	
Other Defined Diseases - - - - -	867	57	31	4	6	15	32	38	63	120	224	277	
Diseases Ill-defined or Unknown - - - - -	60	3	6	1	1	-	2	4	6	15	12	10	
All Causes - - - - -	6114	732	749	150	82	404	686	423	584	761	883	660	

* Sole Cause specified, vide pp. 14-15.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	...	...	...	1	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	16	1	...	...	...	...	1	...
Scarlet Fever	4	4	...	...	...	...	1	...
Whooping-cough	121	38	...	...	...	9	1	...
Diphtheria and Croup	22	10	4	4	...	4	2	...
Influenza (<i>Sole Cause specified</i>)	116	70	9	11	6	6	4	1
Erysipelas	2	...	1	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	124	51	16	15	4	10	11	3
Tuberculous Meningitis	13	5	3	2	1	1	2	1
Abdominal Tuberculosis	18	2	...	1	2	1	2	...
Other Tuberculous Diseases	22	8	4	2	1	2	5	1
Cancer, Malignant Disease	112	41	14	12	4	4	4	4
Rheumatic Fever	1	...	1	...	1	...	...	...
Meningitis	24	7	...	1	3	1	4	...
Organic Heart Disease	127	71	37	30	8	17	10	8
Bronchitis	398	140	61	41	33	24	26	9
Pneumonia (all forms)	1132	484	93	94	86	96	50	25
Other Diseases of Respiratory Organs	47	23	3	5	1	4	5	1
Diarrhoea and Enteritis (under 2 years)	14	4	3	1	1	2	...	...
Appendicitis and Typhlitis	8	1	...	2	2	1	...	...
All Liver Diseases (not Malignant)	2	1	...	2	1	1	...	...
Other Diseases of Digestive System	49	16	13	4	3	...	3	...
Nephritis and Bright's Disease	68	20	3	4	3	3	7	...
Puerperal Sepsis	1	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	15	11	1	1	3	5	2	...
Congenital Debility and Malformation, including Premature Birth	81	23	14	17	6	3	4	9
Violent Deaths, excluding Suicide	36	11	11	5	1	2	3	2
Suicide	3	...	...	1	...	...	...	...
Other Defined Diseases	369	163	59	59	32	38	33	17
Diseases Ill-defined or Unknown	44	2	6	...	...	4	1	...
All Causes	2989	1208	356	315	202	238	181	81
<i>Influenza—Contributory Cause, otherwise classified above</i>	717	435	49	74	68	83	22	18
AGE AT DEATH.								
Under 1	364	110	66	37	22	20	17	15
1-4	452	91	30	19	23	40	18	5
5-9	82	30	9	6	4	6	4	...
10-14	34	22	2	5	5	3	4	2
15-24	176	100	15	25	18	17	19	2
25-34	316	161	30	35	23	33	26	5
35-44	201	88	25	21	9	12	15	2
45-54	293	124	20	25	17	29	18	9
55-64	383	142	49	26	35	24	28	11
65-74	416	198	59	62	26	25	19	12
75 and over	272	142	51	54	20	29	13	18
All Ages	2989	1208	356	315	202	238	181	81

DEATHS IN EACH TOWN (corrected for Transfers)—February 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	2	...	5
Scarlet Fever ... ..	...	...	...	...	1	...	...	...
Whooping-cough	18	1	...	...	1	...	9	3
Diphtheria and Croup ... ..	...	1	1	...	...	...	1	...
Influenza (<i>Sole Cause specified</i>)	2	4	4	1	1	...	1	2
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	3	4	2	4	5	1	6	1
Tuberculous Meningitis	2	1	...	1	...	...	...	1
Abdominal Tuberculosis ... ..	...	1	...	1	...	...	1	...
Other Tuberculous Diseases ... ..	...	...	1	1	...	1	...	...
Cancer, Malignant Disease	5	2	2	2	7	3	...	4
Rheumatic Fever ... ..	...	...	...	1	...	...	...	...
Meningitis	3	...	...	...	2	1	...	1
Organic Heart Disease	3	7	3	5	5	5	8	5
Bronchitis	12	7	16	4	6	6	12	4
Pneumonia (all forms)	30	27	10	18	21	5	12	15
Other Diseases of Respiratory Organs ... ..	...	...	4	...	2	2	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	...	1	2	2	1	1	...
Appendicitis and Typhlitis ... ..	...	1	...	...	...	...	...	1
All Liver Diseases (not Malignant) ... ..	...	...	...	1	...	...	...	...
Other Diseases of Digestive System	1	1	1	...	1	2	1	1
Nephritis and Bright's Disease	2	3	1	1	...	4	2	3
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	1	1	...	...
Congenital Debility and Malformation, including Premature Birth	5	5	2	1	1	...	...	...
Violent Deaths, excluding Suicide	6	1	...	...	3	...	...	1
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	15	11	14	14	8	14	9	12
Diseases Ill-defined or Unknown ... ..	...	...	1	...	...	...	2	...
All Causes	107	77	63	57	67	48	66	59
<i>Influenza—Contributory Cause, otherwise classified above</i>	26	22	8	10	11	5	12	7
AGE AT DEATH.								
Under 1	15	14	11	12	10	5	5	9
1-4	24	12	3	5	6	3	11	7
5-9	4	...	1	2	2	...	...	...
10-14	1	1	...	...	1	...	1	1
15-24	4	5	1	7	5	2	5	3
25-34	15	8	5	6	8	2	5	8
35-44	8	4	3	5	9	8	8	5
45-54	6	9	12	3	5	6	3	5
55-64	11	10	9	7	10	3	8	5
65-74	11	7	8	6	7	7	9	11
75 and over	8	7	10	4	4	12	11	5
All Ages	107	77	63	57	67	48	66	59

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of FEBRUARY 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.											
	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Maximum (A).	Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average	Absolute Maximum and Minimum.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.											
							Maximum	Day of Month.								Minimum.	Day of Month.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW, JAMES CONNELL, The Observatory.	184	29.495	29.807	38.7	31.1	34.9	-4.2	46	23rd	21	10th	34.3	1.4	.170	86	8	0.90	-1.98	3	16	19	4	2	3	2	1	6
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.312	29.805	38.4	31.1	34.8	-3.5	44	14, 23	23	9, 13,	34.0	0.9	.178	90	16	1.75	+0.19	3	6	10	9	4	5	9	1	9
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.516	29.803	37.3	29.0	33.4	-4.1	43	24, 28	19	10th	32.8	0.7	.172	92	15	1.86	-0.02	0	17	1	14	0	9	1	14	0
ABERDEEN,* The Meteorological Office.	90	29.708	29.811	39.6	30.4	35.0	-3.3	45	28th	20	5, 6	35.4	1.3	.182	88	15	1.78	-0.27	4	4	7	4	7	4	9	13	4
PAISLEY, The Coats Observatory.	107	29.692	29.814	39.5	30.4	35.0	-4.6	48	23, 24	20	10th	34.9	1.5	.173	85	7	0.87	-2.64	1	12	13	2	2	1	2	2	21
LEITH,† JAMES BOLAM, Navigation School.	76	29.726	29.813	38.1	31.5	34.8	-4.7	44	23rd	22	10th	34.8	1.3	.176	88	19	1.92	+0.27	0	10	16	2	4	4	14	4	2
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.548	29.813	38.7	21.9	35.3	-3.3	44	23rd	25	10th	34.6	1.3	.175	87	13	2.30	-3.32	0	7	19	14	0	1	5	6	4
PERTH,† JOHN RITCHIE, The Museum.	22	29.775	29.800	38.9	27.3	33.1	-4.5	46	23rd	16	10th	31.0	1.0	.148	85	11	1.48	-0.79	12	6	2	1	2	1	0	32	0
Means	165	29.622	29.808	38.7	30.3	34.5	-4.1	..	..	..	..	34.0	1.2	.172	88	13	1.61	-1.07	3	10	11	6	3	3	5	9	6

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 8° 8'; Greenock, 4° 46'; Perth, 8° 25'; Mean, 5° 32'.

* At King's College, at 7 A.M. and 6 P.M.
 † At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

to be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & Co., LTD., Thistle Street, Edinburgh.
Price Sixpence.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

MARCH 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of March 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3695 living children, of whom 1833 were male and 1862 female. The male children number 183 more than in the previous month, but 111 fewer than in March of last year. The female children number 298 more than in the previous month, and 14 more than in March of last year. The total children registered during the month number 481 more than in the previous month, 17 more than the average during the three preceding months, and 97 fewer than in March of last year. The equivalent annual birth-rate is 18·0 per thousand, and is 0·7 more than that of the previous month, but 0·5 less than the mean of those of the three preceding months, and 0·6 less than that of March of last year. In the individual towns the monthly birth-rate varied from 27·4 in Greenock, 26·2 in Clydebank, and 23·2 in Motherwell, to 12·6 in Edinburgh, 14·1 in Dundee, and 14·6 in Perth. In Hamilton this rate was 22·7 ; in Coatbridge, 22·2 ; in Paisley, 19·6 ; in Glasgow, 18·9 ; in Aberdeen, 18·4 ; in Ayr, 17·8 ; in Kilmarnock, 17·6 ; in Leith, 16·3 ; in Kirkcaldy, 16·2 ; and in Falkirk, 15·9.

Of the 3695 children whose births were registered, 3313, or 89·7 per cent., were legitimate, while 382, or 10·3 per cent., were illegitimate. Compared with the numbers in the previous month, the legitimate children are 414 more, and the illegitimate children 67 more. Compared with the mean of the numbers of the three preceding months, the legitimate children are 9 more, and the illegitimate children 8 more. Compared with the number for March of last year, the legitimate children are 171 fewer, but the illegitimate children are 74 more. The illegitimate rate is 0·5 more than that of the previous month, 0·2 more than the mean of those of the three preceding months, and 2·2 more than that of March of last year.

Marriages registered in these towns during the month numbered 1745. They are 363 more than registered in the previous month, and 191 more than registered in March of last year, but are 174 less than the average during the preceding three months. The equivalent annual marriage-rate is 8·5 per thousand. It is 1·0 more than that of the previous month, and 1·9 more than that of March of last year, but is 1·1 less than the mean of those of the three preceding months. In the individual towns this rate varied from 11·2 in Edinburgh, 10·6 in Aberdeen, and 10·3 in Ayr,

to 3·2 in Hamilton, 3·7 in Clydebank, and 5·0 in Coatbridge. In Glasgow this rate was 8·7 ; in Kirkcaldy, 8·4 ; in Leith, 7·6 ; in Dundee, 7·4 ; in Falkirk, 7·3 ; in Perth, 7·1 ; in Paisley, 6·7 ; in Greenock, 6·3 ; in Motherwell, 5·6 ; and in Kilmarnock, 5·3.

Deaths registered numbered 5446, 2679 being of males and 2767 of females. These deaths included those of 378 persons who, though dying in one or other of these towns, had usual residence elsewhere in Scotland, but excluded those of 250 persons of usual residence in one or other of these towns, but dying elsewhere in Scotland, and the difference, 128, falls to be deducted to get the corrected number for the month, which is thus found to be 5318. This number is 796 less than in the previous month, but is 911 more than the mean of the numbers of the three preceding months, and 2450 more than that of March of last year. In this as in the previous month the corrected number of deaths in these towns exceeded the number of registered births.

The collective monthly death-rate of these towns was 25·9 per thousand. It is 7·1 less than that of the previous month, but is 3·3 more than the mean of those of the three preceding months, and 11·9 more than that of March of last year. In the individual towns this rate varied from 30·2 in Glasgow and in Greenock, and 27·1 in Falkirk, to 17·0 in Motherwell, 18·6 in Hamilton, and 18·8 in Kirkcaldy and in Kilmarnock. In Aberdeen it was 25·1 ; in Coatbridge, 24·8 ; in Ayr, 23·9 ; in Paisley, 23·4 ; in Perth, 21·4 ; in Clydebank, 21·3 ; in Edinburgh, 20·9 ; in Dundee, 20·7 ; and in Leith, 19·8.

Deaths of children of less than one year old numbered 756. This number is 24 more than that of the previous month, 130 more than the mean of those of the three preceding months, and 355 more than that of March of last year. These infantile deaths numbered more in this month than in any month since April 1915. The equivalent infantile mortality rate is 187 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 13 less than that of the previous month, but is 27 more than the mean of those of the three preceding months, and 86 more than that of March of last year. In the individual towns this rate varied from 250 in Perth, 221 in Glasgow, and 209 in Aberdeen, to 83 in Motherwell and 98 in Clydebank. In Greenock this rate was 196 ; in Paisley, 171 ; in Coatbridge, 168 ; in Dundee, 159 ; in Falkirk, 158 ; in Ayr, 151 ; in Leith, 150 ; in Kilmarnock, 150 ; in Edinburgh, 126 ; in Hamilton, 122 ; and in Kirkcaldy, 103.

Deaths from the principal epidemic diseases numbered 373, and included 5 from enteric fever, 59 from measles, 8 from scarlet fever, 225 from whooping-cough, 39 from diphtheria, and 37 from the diarrhoeas of childhood. These deaths collectively are 55 more than in the previous month, and 148 more than in March of last year.

Deaths from pneumonia numbered 1578, and from bronchitis, 598. Compared with the numbers of the previous month the former are 620 fewer, and the latter 201 fewer, but compared with the number of March of last year the former are 1309 more, and the latter are 388 more.

Deaths of which influenza was the sole named cause numbered 176, and those of which influenza was one of two or more named causes numbered 1059, the total death certificates in which influenza was named numbering 1235. This total is 570 less than that of the previous month, and 766 less than that of October last, the month in which influenza deaths attained a maximum of 2001.

Deaths from all forms of tuberculous disease numbered 378, 269 of them being ascribed to phthisis. The former number is 8 more than that of the previous month, but 26 less than that of March of last year. The latter number is 9 more than that of the previous month, and 7 more than that of March of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

MARCH 1919.

Mean barometric pressure, 29·772 in. ; less than the average of 1881–1915 by 0·029 in.

Mean temperature, 36°·2 ; less by 4°·2.

Mean daily range of temperature, 11°·1 ; less by 0°·7.

Rain, number of days, 16 ; less by 1 day.

Rain, depth in inches, 2·73 ; greater by 0·04 in.

Wind, direction of : a 3 days' excess of winds from N.W.

Hence the month was characterised by a slightly low mean pressure ; an abnormally low mean temperature, with a slightly low mean daily range ; a mean rainfall practically equal to the normal ; and an excess of north-westerly winds.

After anticyclonic conditions around the middle of the month a deep disturbance developed to the north of Ireland on 18th ; on 27th a very deep disturbance moved eastwards from the north of Scotland, with violent fluctuations of pressure ; and on 28th–29th a depression moving eastwards along the English Channel had an unusually widespread influence. The mean pressure of the month was slightly below the normal ; at Leith, at sea-level, readings were above 30 in. from 14th to 18th, and on 25th ; and the extremes at that place were 30·56 in. on 17th, and 28·90 in. on 27th.

Following an abnormally cold February the month was one of quite exceptional coldness, relieved only on 2nd, on 11th, and around 17th, and then only in a spasmodic manner. From 18th onwards there was a steady fall of temperature ; in various districts the mean of the fourth week was as much as 8° or 9° below the normal ; judged by its mean temperature the month was the coldest March experienced in Scotland for at least sixty years ; and, if we may generalize from records available for Edinburgh, it was the coldest March for at least a century. The lowest reading reported was 7° at Braemar on 23rd, but this compares with, *e.g.*, 3° below zero at that place on 9th March 1917. On the other hand the highest reading was 54° at Leith (Starbank Park) on 2nd, and never before has the thermometer failed to reach an appreciably higher level in March. For the chief towns the mean was 36°·2, or 4°·2 below the normal ; the days were 4°·5 and the nights 3°·8 below their respective averages ; and the extremes were 51° at Aberdeen and elsewhere on 2nd, and 19° at Perth on 4th.

Much of the month's precipitation consisted of snow, and relatively to the normal aggregates varied irregularly. Heavy falls of snow, sleet and rain on 18th and 19th (at Greenock, 0·76 in. followed by 2·11 in.) brought about an excess in some southern and western districts. On 26th fairly heavy falls were general, with considerable amounts in north-east and north on 27th and later days. On the eastern sea-board there was in general a moderate shortage ; whilst Braemar and Grantown-on-Spey had an excess of about 50 per cent., and Cally (Gatehouse) of fully 40 per cent., but Fort William only three fifths of the normal. The mean for the chief towns was 2·73 in., or 101 per cent. of the normal.

There was snow in considerable amounts more or less widely around 7th and 13th ; on 19th very stormy weather was general, with heavy falls of snow, giving place on low ground to sleet and rain ; and thereafter conditions were almost continuously wintry, with a gale from between south-west and north-west on 27th, followed by another severe snowstorm in many districts. In some hilly districts disastrous drifting occurred, and in the far north railway traffic was interrupted.

Thunder occurred at Castlebay (Barra) on 2nd ; at Kelso on 18th ; and in the extreme north on 30th and 31st.

Sunshine aggregates varied greatly,—at Edinburgh only 79 hours, considerably below the normal, as compared with 133 hours at Fortrose and 129 hours at Aberdeen.

Aurora was observed on various occasions, very widely on 27th.

NOTE.—For meteorological table see p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MARCH 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	915	882	1797	1616	181	827	1438	1485	2923	122	71	2872
EDINBURGH, . .	320,769	336,500	173	186	359	309	50	319	316	342	658	112	52	598
DUNDEE, . . .	176,085	181,800	107	111	218	182	36	115	160	167	327	17	10	320
ABERDEEN, . .	163,891	163,000	125	138	263	219	44	151	191	197	388	38	8	356
PAISLEY, . . .	84,455	89,600	69	80	149	134	15	51	86	95	181	12	9	178
LEITH,	80,601	85,100	57	61	118	110	8	55	62	61	123	11	31	143
GREENOCK, . .	75,140	79,800	92	94	186	180	6	43	103	107	210	9	4	205
PERTH,	35,854	36,300	23	22	45	35	10	22	47	42	89	23	0	66
TOTAL (EIGHT TOWNS)	1,945,282	2,095,800	1561	1574	3135	2785	350	1583	2403	2496	4899	544	185	4740
COATBRIDGE, . .	43,290	44,600	49	35	84	81	3	19	49	41	90	7	11	94
MOTHERWELL . .	40,380	42,200	40	43	83	81	2	20	28	26	54	0	7	61
KIRKCALDY . . .	39,601	40,600	25	31	56	48	8	29	18	42	60	3	8	65
HAMILTON, . . .	38,644	39,900	35	42	77	72	5	11	31	27	58	4	9	63
CLYDEBANK, . .	37,548	47,600	45	61	106	104	2	15	38	35	73	1	14	86
KILMARNOCK, . .	34,728	37,600	37	19	56	50	6	17	29	33	62	7	5	60
FALKIRK,	33,574	35,600	18	30	48	45	3	22	48	34	82	5	5	82
AYR,	32,986	33,000	23	27	50	47	3	29	35	33	68	7	6	67
TOTAL (SIXTEEN TOWNS)	2,246,033	2,416,900	1833	1862	3695	3313	382	1745	2679	2767	5446	378	250	5318

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MARCH 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	18.9	10.1	8.7	30.8	30.2	2.0	2.0	1.4	14.5	441	221
EDINBURGH, . .	12.6	13.9	11.2	23.0	20.9	1.7	1.5	0.9	6.8	56	126
DUNDEE, . . .	14.1	16.5	7.4	21.2	20.7	0.5	1.6	1.1	7.3	40	159
ABERDEEN, . .	18.4	16.7	10.6	27.2	25.1	0.6	1.6	1.1	8.8	50	209
PAISLEY, . . .	19.6	10.1	6.7	23.8	23.4	0.9	2.2	2.1	9.5	25	171
LEITH,	16.3	6.8	7.6	17.0	19.8	2.1	2.2	1.8	6.6	21	150
GREENOCK, . .	27.4	3.2	6.3	31.0	30.2	0.6	1.9	1.5	12.1	35	196
PERTH,	14.6	22.2	7.1	28.9	21.4	0.0	1.8	1.0	8.1	10	250
TOTAL (EIGHT TOWNS)	17.6	11.2	8.9	27.5	26.6	1.8	1.9	1.3	11.4	678	197
COATBRIDGE, . .	22.2	3.6	5.0	23.8	24.8	5.0	1.1	0.8	7.1	17	168
MOTHERWELL, . .	23.2	2.4	5.6	15.1	17.0	0.3	2.5	2.0	8.1	8	83
KIRKCALDY, . .	16.2	14.3	8.4	17.4	18.8	0.6	0.9	0.6	4.6	6	103
HAMILTON, . . .	22.7	6.5	3.2	17.1	18.6	1.2	1.5	1.2	8.9	11	122
CLYDEBANK, . .	26.2	1.9	3.7	18.1	21.3	0.5	1.2	1.0	8.9	10	98
KILMARNOCK, . .	17.6	10.7	5.3	19.4	18.8	0.6	3.1	1.6	5.6	9	150
FALKIRK,	15.9	6.3	7.3	27.1	27.1	2.6	1.7	1.0	13.5	9	158
AYR,	17.8	6.0	10.3	24.2	23.9	2.1	1.4	1.4	6.8	8	151
TOTAL (SIXTEEN TOWNS)	18.0	10.3	8.5	26.5	25.9	1.8	1.8	1.3	11.0	756	187

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR MARCH 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAR. 1919, .	18·0	10·3	8·5	25·9	5	0	59	8	225	39	37	187	36°·2
MAR. 1918, .	18·6	8·1	7·6	14·0	5	0	63	4	96	27	30	101	41°·4
MAR. 1917, .	21·0	7·9	5·8	17·2	3	0	88	7	181	38	44	131	37°·4
MAR. 1916, .	25·0	6·9	6·9	19·2	9	0	177	36	27	51	56	129	36°·9
MAR. 1915, .	28·8	6·5	7·1	22·4	7	0	110	51	418	45	36	176	40°·8
MAR. 1914, .	27·4	6·3	6·6	17·2	4	1	165	33	44	38	55	122	40°·8
MAR. 1913, .	26·0	7·0	7·8	18·3	9	0	28	19	221	36	73	135	41°·1
MAR. 1912, .	27·1	6·5	4·6	16·3	11	0	205	31	42	32	50	121	43°·4
MAR. 1911, .	28·7	7·9	5·5	18·3	6	0	14	18	146	24	42	123	40°·6
MAR. 1910, .	28·0	7·1	6·6	18·5	9	0	193	20	37	31	49	137	43°·3
MAR. 1909, .	30·7	7·3	5·7	23·9	13	0	7	26	262	39	44	153	37°·3

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	5	-	-	-	-	2	1	1	-	1	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	59	11	42	6	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	8	1	5	2	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	225	72	136	16	1	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	39	4	21	12	-	-	-	-	-	1	1	-
*Influenza - - - - -	176	18	13	3	3	14	17	17	15	35	22	19
Erysipelas - - - - -	3	1	-	-	-	-	-	1	-	-	-	1
Phthisis, Pulmonary Tuberculosis - - - - -	269	1	12	3	15	52	54	60	44	19	8	1
Tuberculous Meningitis - - - - -	29	9	12	2	5	1	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	25	3	5	4	4	2	4	1	2	-	-	-
Other Tuberculous Diseases - - - - -	55	6	7	3	7	12	7	3	2	4	4	-
Cancer, Malignant Disease - - - - -	239	1	2	-	-	1	4	17	47	75	68	24
Rheumatic Fever - - - - -	4	-	-	-	1	2	-	-	-	1	-	-
Meningitis - - - - -	40	8	14	8	2	4	1	2	-	-	1	-
Organic Heart Disease - - - - -	353	1	-	2	4	11	16	21	39	85	104	71
Bronchitis - - - - -	598	57	37	9	1	4	15	24	67	117	149	118
Pneumonia (all forms) - - - - -	1578	244	341	58	16	152	216	124	143	121	110	53
Other Diseases of Respiratory Organs - - - - -	76	6	14	-	-	3	4	8	8	9	11	13
Diarrhoea and Enteritis (under 2 years) - - - - -	37	28	9	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	18	-	1	5	3	3	1	1	2	1	1	-
All Liver Diseases (not Malignant) - - - - -	22	-	-	-	1	-	-	2	4	6	6	3
Other Diseases of Digestive System - - - - -	124	8	14	4	2	2	5	12	16	12	26	23
Nephritis and Bright's Disease - - - - -	134	1	4	4	2	3	10	11	19	29	33	18
Puerperal Sepsis - - - - -	4	-	-	-	-	1	2	1	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	26	-	-	-	-	6	14	6	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	187	186	-	-	-	-	-	1	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	110	9	13	5	5	7	13	11	13	13	11	10
Suicide - - - - -	5	-	-	-	-	-	-	2	-	1	2	-
Other Defined Diseases - - - - -	809	71	31	3	4	21	35	35	61	120	171	257
Diseases Ill-defined or Unknown - - - - -	61	10	4	-	-	1	3	6	5	10	12	10
All Causes - - - - -	5313	756	737	149	76	304	421	367	487	660	740	621

* Sole Cause specified, vide pp. 22-23.

DEATHS IN EACH TOWN (corrected for Transfers)— March 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	3	...	1	1	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	40	5	...	...	5	2	1	...
Scarlet Fever	4	2	...	...	...	1	...	...
Whooping-cough	147	33	1	...	...	11	1	...
Diphtheria and Croup	20	9	3	2	1	1	...	...
Influenza (<i>Sole Cause specified</i>)	96	18	3	12	11	4	10	3
Erysipelas	3	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	136	26	17	16	16	13	10	3
Tuberculous Meningitis	16	4	1	...	1	1	2	1
Abdominal Tuberculosis	13	1	4	2	...	1	1	...
Other Tuberculous Diseases	26	13	3	5	...	1	...	...
Cancer, Malignant Disease	108	32	20	22	6	7	11	2
Rheumatic Fever	4	...	...	...	...	...	...	...
Meningitis	24	3	2	...	1	2	3	1
Organic Heart Disease	155	57	41	17	9	9	18	14
Bronchitis	339	56	33	33	30	11	18	7
Pneumonia (all forms)	996	126	76	85	42	35	61	18
Other Diseases of Respiratory Organs	44	11	3	7	...	2	3	...
Diarrhoea and Enteritis (under 2 years)	22	1	3	6	1	...	2	...
Appendicitis and Typhlitis	9	1	1	2	3	...	...	...
All Liver Diseases (not Malignant)	14	4	2	...	...	...	...	...
Other Diseases of Digestive System	33	14	9	38	5	6	3	...
Nephritis and Bright's Disease	82	14	6	7	4	2	5	1
Puerperal Sepsis	2	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	14	2	...	4	1	...	2	...
Congenital Debility and Malformation, including Premature Birth	91	16	16	15	8	5	9	2
Violent Deaths, excluding Suicide	51	18	13	1	2	3	4	2
Suicide	1	2	1	1	...	...	...	...
Other Defined Diseases	344	128	54	78	32	26	36	11
Diseases Ill-defined or Unknown	35	2	6	4	...	...	5	1
All Causes	2872	598	320	358	178	143	205	66
<i>Influenza—Contributory Cause, otherwise classified above</i>	617	111	39	75	38	29	39	9
AGE AT DEATH.								
Under 1	441	56	40	50	25	21	25	10
1- 4	491	51	29	22	21	25	22	4
5- 9	94	19	3	3	6	5	2	1
10-14	41	6	7	7	4	2	1	...
15-24	149	27	15	24	11	11	20	2
25-34	229	42	26	33	16	7	18	3
35-44	189	44	22	21	17	14	15	5
45-54	258	55	35	37	17	9	24	7
55-64	371	86	42	41	14	10	25	6
65-74	345	100	60	58	27	17	29	15
75 and over	264	112	41	62	20	22	14	13
All Ages	2872	598	320	358	178	143	205	66

DEATHS IN EACH TOWN (corrected for Transfers)—March 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	3	1	1	...	1
Scarlet Fever ... ..	...	1	...	...	...	...	...	...
Whooping-cough	19	...	...	...	...	1	8	4
Diphtheria and Croup ... ..	...	...	1	1	...	...	...	1
Influenza (<i>Sole Cause specified</i>)... ..	...	...	2	3	7	2	2	3
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	3	7	2	4	4	5	3	4
Tuberculous Meningitis	1	1	...	...	...	1	...	...
Abdominal Tuberculosis ... ..	...	...	...	1	...	2	...	...
Other Tuberculous Diseases ... ..	...	1	1	...	1	2	2	...
Cancer, Malignant Disease	4	2	5	2	7	7	2	2
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis ... ..	...	...	...	...	3	1	...	...
Organic Heart Disease	4	2	9	3	3	1	7	4
Bronchitis	10	9	8	8	9	7	11	9
Pneumonia (all forms)	14	19	8	21	27	10	30	10
Other Diseases of Respiratory Organs	3	1	...	1	...	1	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	...	1	...	1	...	...	...
Appendicitis and Typhlitis ... ..	...	...	...	...	1	1	...	...
All Liver Diseases (not Malignant)	1	...	...	1	...	...	...	...
Other Diseases of Digestive System	7	1	3	...	1	1	2	1
Nephritis and Bright's Disease	1	3	...	1	2	1	1	4
Puerperal Sepsis	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	1	...	...	...	2	...	...	...
Congenital Debility and Malformation, including Premature Birth	4	4	2	4	3	3	1	4
Violent Deaths, excluding Suicide	3	3	4	1	...	...	1	4
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	18	6	18	8	14	12	10	14
Diseases Ill-defined or Unknown ... ..	...	1	1	1	...	1	2	2
All Causes	94	61	65	63	86	60	82	67
<i>Influenza—Contributory Cause, otherwise classified above</i>	5	14	8	10	22	6	31	6
AGE AT DEATH.								
Under 1	17	8	6	11	10	9	9	8
1- 4	26	5	3	5	13	6	7	7
5- 9 ... ..	...	1	3	3	4	...	3	2
10-14 ... ..	...	2	...	1	1	1	1	2
15-24	7	6	4	4	10	4	7	3
25-34	3	6	4	5	8	7	8	6
35-44	5	5	1	7	6	4	9	3
45-54	5	5	6	4	10	3	7	5
55-64	5	8	11	5	9	8	11	8
65-74	16	7	14	9	9	9	14	11
75 and over	10	8	13	9	6	9	6	12
All Ages	94	61	65	63	86	60	82	67

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MARCH 1919.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS.														
		Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Minimum (B.)		Difference from Average	Absolute Maximum and Minimum.		Dry Bulb. °	Depression of Wet Bulb. °	Vapour Pressure. inch.	Humidity. per cent.	Number of Days.	Total Fall. inch.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.															
					Maximum (A.)	Minimum (B.)		Day of Month.	Maximum								Day of Month.	Minimum.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.					
GLASGOW, JAMES CONNELL, The Observatory.	184	29·577	29·786	•	41·4	31·5	36·5	•	-4·1	•	50	2nd	•	23	4th	35·8	2·1	•	172	82	13	3·21	+0·54	6	9	7	2	3	7	13	10	5
EDINBURGH, Professor R. A. SAMPRON, F.R.S., Royal Observatory.	441	29·289	29·781	•	40·5	30·3	35·7	•	-4·2	•	50	2nd	•	23	4, 29	35·1	1·8	•	169	82	19	1·34	-0·43	7	4	7	5	3	8	15	8	5
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29·571	29·757	•	41·3	29·5	35·4	•	-4·4	•	49	2nd	•	21	4th	34·7	1·2	•	178	89	18	1·64	-0·42	0	13	0	13	0	20	0	16	0
ABERDEEN,* The Meteorological Office.	90	29·635	29·738	•	42·1	30·9	36·5	•	-3·6	•	51	2nd	•	25	4th	35·8	1·5	•	183	87	20	1·93	-0·45	6	5	5	3	8	9	9	16	1
PAISLEY, The Coats Observatory.	107	29·667	29·789	•	43·2	30·8	37·0	•	-4·8	•	51	2, 17	•	22	4th	36·8	2·5	•	172	79	12	4·04	+0·86	5	5	5	2	6	5	9	11	14
LEITH,† JAMES BOLAM, Navigation School.	76	29·685	29·772	•	41·7	31·5	36·6	•	-4·7	•	51	2nd	•	23	27th	36·9	2·2	•	179	82	19	1·19	-0·78	4	6	10	4	2	4	26	6	0
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29·527	29·792	•	41·2	31·4	36·3	•	-3·8	•	47	2nd	•	24	4th	35·9	2·0	•	176	84	16	6·27	+1·34	0	9	8	7	0	6	11	21	0
PERTH † JOHN RITCHIE, The Museum.	22	29·734	29·759	•	42·7	28·9	35·5	•	-4·3	•	51	2nd	•	19	4th	34·9	1·9	•	165	81	14	2·21	-0·28	11	2	2	4	4	7	5	27	0
Means	165	29·586	29·772	•	41·8	30·7	36·2	•	-4·2	•	..	..	•	..	..	35·7	1·9	•	174	83	16	2·73	+0·04	5	7	6	5	3	8	11	14	3
North Latitude.—Glasgow, 55° 51'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'. West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.																																

At. Q. A. W. only

* At King's College, at 7 A.M. and 6 P.M.

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & Co., LTD., Thistle Street, Edinburgh.

Price Sixpence.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

APRIL 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of April 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3755 living children, of whom 1948 were male and 1807 female. The male children of the month are 115 more than those of the previous month, but 322 fewer than those of April of last year. The female children of the month are 55 fewer than those of the previous month, and 353 fewer than those of April of last year. The total children registered are 60 more than in the previous month, and 118 more than the mean of the numbers of the three preceding months, but 675 fewer than registered in April of last year. The equivalent annual birth-rate is 18·9 per thousand, and is 0·9 more than that of the previous month, and 0·6 more than the mean of those of the three preceding months, but is 3·5 less than that of April of last year. In the individual towns the monthly birth-rate ranged from 28·9 in Coatbridge, 25·3 in Clydebank, 24·5 in Greenock, and 24·0 in Motherwell, to 13·3 in Falkirk, 14·1 in Edinburgh, and 14·9 in Dundee. In Hamilton this rate was 22·9; in Kilmarnock, 21·4; in Glasgow, 21·2; in Ayr, 15·5; in Kirkcaldy, 15·3; in Leith, 15·2; in Paisley, 15·1; in Aberdeen, 15·1; and in Perth, 15·1.

Of the 3755 children whose births were registered during the month, 3432, or 91·4 per cent., were legitimate, while 323, or 8·6 per cent., were illegitimate. Compared with the numbers of the previous month, the legitimate children are 119 more, but the illegitimate children are 59 less. Compared with the mean of the numbers of the three preceding months, the legitimate children are 171 more, but the illegitimate children are 53 less. Compared with the number of April of last year, the legitimate children are 649 fewer, and the illegitimate children are 26 fewer. The illegitimate rate is 1·7 less than that of the previous month, and the same amount less than the mean of those of the three preceding months, but is 0·7 more than that of April of last year.

Marriages registered in these towns during the month numbered 2501. They are 756 more than registered in the previous month, 710 more than the mean of the numbers registered in the three preceding months, and 678 more than registered in April of last year. The equivalent annual marriage-rate is 12·6 per thousand. It is 4·1 more than that of the previous month, 3·6 more than the mean of those of the three preceding months, and 3·4 more than that of April of last year. In the individual towns the monthly marriage-rate varied from 15·4 in Edinburgh, 14·0 in Aberdeen, 13·6 in Glasgow, and 12·2 in Dundee, to 5·2 in Coatbridge, 6·1 in Motherwell, 7·7 in Clydebank, and 8·1 in Paisley. In Leith this rate was 10·6; in Falkirk, 10·2; in Perth, 10·1; in Hamilton, 10·1; in Kirkcaldy, 9·9; in Kilmarnock, 9·7; in Ayr, 9·6; and in Greenock, 9·1.

Deaths registered in these towns numbered 3240, 1686 being of males, and 1554 of females. These deaths included those of 288 persons with usual residence out-with the towns of registration, but excluded those of 185 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 103, falls to be deducted to get the corrected number of the month, which is thus found to be 3137. This number is 2181 less than in the previous month, 1882 less than the mean of the numbers of the three preceding months, but 261 more than that of April of last year. The registered births of the month exceed the corrected number of deaths by 618; in the preceding two months the corrected deaths were more numerous than the births.

The collective monthly death-rate of these towns was 15·8 per thousand. It is 10·1 less than that of the previous month, 9·7 less than the mean of those of the three preceding months, but 1·3 more than that of April of last year. In the individual towns this rate ranged from 22·0 in Kilmarnock, 20·0 in Greenock, and 18·8 in Ayr, to 9·7 in Clydebank, 12·7 in Perth, and 13·0 in Motherwell. In Hamilton this rate was 17·1; in Glasgow, 16·8; in Coatbridge, 16·1; in Paisley, 15·9; in Leith, 15·2; in Falkirk, 14·7; in Edinburgh, 14·3; in Aberdeen, 14·0; in Dundee, 13·7; and in Kirkcaldy, 13·2.

Deaths of children of less than one year old numbered 496. This number is 260 less than in the previous month, 206 less than the mean of those of the three preceding months, but 41 more than that of April of last year. The equivalent infantile mortality rate is 128 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 59 less than that of the previous month, 52 less than the mean of those of the three preceding months, but 10 more than that of April of last year. In the individual towns this rate varied from 220 in Kilmarnock, 176 in Hamilton, and 160 in Ayr, to 36 in Kirkcaldy, 73 in Paisley, and 77 in Perth. In Greenock this rate was 146; in Leith, 142; in Glasgow, 135; in Coatbridge, 134; in Edinburgh, 123; in Motherwell, 122; in Dundee, 109; in Aberdeen, 109; in Falkirk, 109; and in Clydebank, 103.

Deaths from the principal epidemic diseases numbered 369, and included 2 from enteric fever, 88 from measles, 6 from scarlet fever, 213 from whooping-cough, 24 from diphtheria, and 36 from the diarrhœas of childhood. These deaths collectively are 4 fewer than in the previous month, but 94 more than in April of last year, and 71 more than the mean of the numbers of the three preceding months.

Deaths from pneumonia numbered 430, and from bronchitis, 258. The former are 1148 fewer than in the previous month, but 193 more than in April of last year. The latter are 340 fewer than in the previous month, but 33 more than in April of last year.

Deaths of which influenza was the sole named cause numbered 28, and those of which influenza was one of two or more named causes numbered 140, the total death certificates in which influenza was named numbering 168. This total is 1067 less than in the previous month, and is the smallest number in any month since October last.

Deaths from all forms of tuberculous disease numbered 319, 204 of them being attributed to phthisis. The former are 59 fewer than in March, and 50 fewer than in April of last year. The latter are 65 fewer than in March, and 31 fewer than in April of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

APRIL 1919.

Mean barometric pressure, 29·871 in.; less than the average of 1881–1915 by 0·019 in.

Mean temperature, 44°·7; greater by 0°·1.

Mean daily range of temperature, $12^{\circ}\cdot7$; less by $1^{\circ}\cdot3$.

Rain, number of days, 16 ; greater by 1 day.

Rain, depth in inches, $2\cdot29$; greater by $0\cdot26$ in.

Wind, direction of : an 8 days' excess of winds from S.W. and W., and a two days' excess of winds from N.W. and N.

Hence the month was characterised by a slightly low mean pressure ; a mean temperature practically equal to the normal, with a rather low mean daily range ; a slightly high mean rainfall ; and a considerable excess of westerly and northerly winds.

The range of fluctuation of atmospheric pressure was very great. Thus, at Leith, at sea-level, a reading of $28\cdot70$ in. on the evening of 14th, when a deep depression was moving slowly eastwards from the north-west of Ireland, was the lowest recorded in April since 1874 ; whilst a reading of $30\cdot74$ in. on the morning of 20th, when an anticyclone had spread northwards from the Bay of Biscay, was the highest noted in April for at least sixty years, though it was all but equalled in 1906. The extreme range of pressure at Leith was thus fully 2 in., against an average for April of about $1\cdot2$ in. The mean pressure for the month was slightly below the normal ; at Leith readings above 30 in. occurred from 2nd to 4th, from 17th to 24th, and on 29th.

A March with an unprecedentedly low mean temperature had followed an abnormally cold February, and the first two days or so of April were also cold, with 16° at Braemar on night of 1st—2nd. Thereafter, with minor fluctuations, temperature was for the most part at least equal to the normal until 19th, with highest readings for the month very widely on 18th,—as high as 72° at Crathes and 71° at Aberdeen, but only 60° at Glasgow and 59° at Edinburgh. Two days later, on 20th, the thermometer at Aberdeen did not rise above 51° . From 26th to 28th in association with the movements of a secondary depression, wintry weather was experienced, with a reading at West Linton of 22° on night of 27th—28th. For the chief towns the mean was $44^{\circ}\cdot7$, or $0^{\circ}\cdot1$ above the normal ; the days were $0^{\circ}\cdot5$ below, and the nights $0^{\circ}\cdot8$ above their respective averages ; and the extremes were 71° at Aberdeen on 18th, and 27° at Perth on 2nd.

From 1st to 9th there was little or no precipitation over wide areas, but rather wet conditions towards north-west, and on 10th Fort William had as much as $2\cdot57$ in. In east there were heavy falls of rain on 14th and 15th, and of snow, sleet and rain on 27th, and at Edinburgh about four-fifths of the month's total was accounted for on these three days. In west and south amounts at the most unsettled times were less heavy than in east. The period from 16th or 17th until about 24th was almost everywhere continuously fine. Aggregates for the month were greatly in excess in Midlothian and East Lothian, and in north-west and north-east. In sheltered central and south-eastern districts, on the other hand, and around the western and southern sea-boards, they were deficient. Thus Edinburgh had 222 per cent. and Glencarron 191 per cent. of the normal ; but Crieff only 42 per cent., Colmonell 68 per cent., and Marchmont 72 per cent. The mean for the chief towns was $2\cdot29$ in., or 113 per cent. of the normal.

There were moderate falls of snow in some districts on 1st, and about the middle of the month, with hail at times. On 27th a severe snowstorm developed, and after a lull overnight it was renewed with great violence on 28th. With strong, squally, and bitterly cold winds from the north, conditions amounted to those of a blizzard, with much drifting in hilly districts and a serious mortality amongst lambs. In western districts there was, however, but little snow except on the hills. In recent years, the severe snowstorms of mid-April 1917 and of 23rd April 1908 may be recalled. On the latter date temperature at Perth fell to 9° .

Thunder occurred in the far north early on 1st, and here and there on 9th, 13th and 16th.

There were a few very sunny days, but with many cloudy ones sunshine aggregates were below the normal. At Aberdeen the month was the cloudiest April for twenty years.

Aurora was observed here and there on 8th, 12th, 16th and 20th.

NOTE.—For meteorological table see p. 32.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, APRIL 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1013	936	1949	1779	170	1251	873	729	1602	115	59	1546
EDINBURGH, . .	320,769	336,500	203	188	391	336	55	427	212	230	442	82	56	396
DUNDEE, . . .	176,085	181,800	109	113	222	191	31	183	100	110	210	8	3	205
ABERDEEN, . .	163,891	163,000	115	94	209	186	23	194	103	115	218	30	6	194
PAISLEY, . . .	84,455	89,600	60	51	111	106	5	60	55	66	121	7	3	117
LEITH,	80,601	85,100	57	49	106	102	4	74	43	35	78	3	31	106
GREENOCK, . .	75,140	79,800	78	83	161	154	7	60	65	69	134	7	4	131
PERTH,	35,854	36,300	22	23	45	43	2	30	17	26	43	9	4	38
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,095,800	1657	1537	3194	2897	297	2279	1463	1330	2848	261	146	2733
COATBRIDGE, . .	43,290	44,600	47	59	106	99	7	19	34	25	59	2	2	59
MOTHERWELL . .	40,380	42,200	41	42	83	81	2	21	17	21	38	0	7	45
KIRKCALDY . . .	39,601	40,600	29	22	51	46	5	33	23	18	41	1	4	44
HAMILTON, . . .	33,644	39,900	36	39	75	74	1	33	33	19	52	4	8	56
CLYDEBANK, . .	37,548	47,600	63	36	99	97	2	30	20	10	30	0	8	38
KILMARNOCK, . .	34,728	37,600	40	26	66	65	1	30	35	33	68	5	5	68
FALKIRK, . . .	33,574	35,600	18	21	39	32	7	30	28	21	49	8	2	43
AYR,	32,986	33,000	17	25	42	41	1	26	28	27	55	7	3	51
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,416,900	1948	1807	3755	3432	323	2501	1636	1554	3240	288	185	3137

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, APRIL 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	21·2	8·7	13·6	17·4	16·8	2·6	1·5	1·0	4·4	258	135
EDINBURGH, . .	14·1	14·1	15·4	16·0	14·3	1·5	1·5	0·9	2·7	52	123
DUNDEE, . . .	14·9	14·0	12·2	14·1	13·7	0·2	1·9	1·2	2·7	26	109
ABERDEEN, . .	15·1	11·0	14·0	15·8	14·0	0·5	1·5	1·0	2·2	25	109
PAISLEY, . . .	15·1	4·5	8·1	16·4	15·9	0·8	2·0	1·2	3·9	10	73
LEITH,	15·2	3·8	10·6	11·2	15·2	2·1	1·7	1·3	3·4	19	142
GREENOCK, . .	24·5	4·3	9·1	20·4	20·0	0·6	2·3	1·4	6·6	25	146
PERTH,	15·1	4·4	10·1	14·4	12·7	0·7	1·0	1·0	1·7	3	77
TOTAL . . . (EIGHT TOWNS)	18·5	9·3	13·2	16·5	15·9	1·9	1·6	1·0	3·8	418	128
COATBRIDGE, . .	28·9	6·6	5·2	16·1	16·1	4·1	0·5	0·5	1·4	13	134
MOTHERWELL, . .	24·0	2·4	6·1	11·0	13·0	0·9	1·7	1·4	2·9	11	122
KIRKCALDY, . .	15·3	9·8	9·9	12·3	13·2	0·3	1·8	0·8	3·3	2	36
HAMILTON, . . .	22·9	1·3	10·1	15·9	17·1	2·7	1·8	1·2	3·4	15	176
CLYDEBANK, . .	25·3	2·0	7·7	7·7	9·7	1·0	1·0	0·0	1·0	10	103
KILMARNOCK, . .	21·4	1·5	9·7	22·0	22·0	1·3	1·9	1·3	5·2	13	220
FALKIRK, . . .	13·3	17·9	10·2	16·7	14·7	2·0	1·7	1·0	3·8	6	109
AYR,	15·5	2·4	9·6	20·3	18·8	1·8	3·7	1·8	2·2	8	160
TOTAL . . . (SIXTEEN TOWNS)	18·9	8·6	12·6	16·3	15·8	1·9	1·6	1·0	3·7	496	128

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR APRIL 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
APR. 1919, .	18·9	8·6	12·6	15·8	2	0	88	5	213	24	36	128	44°·7
APR. 1918, .	22·4	7·9	9·2	14·5	4	0	111	8	86	28	38	118	43°·2
APR. 1917, .	22·2	7·8	8·0	18·0	3	0	289	5	244	27	33	140	41°·0
APR. 1916, .	24·6	6·4	8·0	17·1	4	0	141	39	40	30	44	116	45°·3
APR. 1915, .	28·3	7·5	9·1	20·3	8	0	140	33	361	37	58	155	45°·4
APR. 1914, .	28·8	6·8	10·6	16·4	10	0	107	20	52	31	51	110	48°·5
APR. 1913, .	29·3	6·3	9·4	17·4	12	0	66	13	166	30	52	111	44°·8
APR. 1912, .	31·2	6·3	10·2	16·8	3	0	195	19	57	25	40	117	47°·4
APR. 1911, .	26·4	7·0	9·5	18·2	4	0	33	5	183	25	31	123	45°·4
APR. 1910, .	29·4	6·9	7·9	19·5	2	0	251	21	27	28	60	140	43°·3
APR. 1909, .	31·1	6·9	8·3	19·5	16	0	17	17	224	25	61	135	45°·7

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	2	-	-	-	1	-	-	1	-	-	-	-
Typhus Fever - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	88	17	65	6	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	6	-	6	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	213	65	133	14	1	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	24	1	12	9	-	2	-	-	-	-	-	-
Influenza - - - - -	28	1	4	-	-	-	2	2	6	2	6	5
Erysipelas - - - - -	9	2	-	-	-	-	-	2	-	1	1	3
Phthisis, Pulmonary Tuberculosis - - - - -	204	2	4	7	14	38	46	42	30	14	5	2
Tuberculous Meningitis - - - - -	38	5	13	12	4	3	-	1	-	-	-	-
Abdominal Tuberculosis - - - - -	35	6	12	5	3	1	5	3	-	-	-	-
Other Tuberculous Diseases - - - - -	42	3	6	5	2	4	3	5	4	6	2	2
Cancer, Malignant Disease - - - - -	191	-	-	-	-	2	4	11	40	64	51	19
Rheumatic Fever - - - - -	7	-	-	1	-	3	-	1	2	-	-	-
Meningitis - - - - -	44	14	12	6	2	3	4	1	2	-	-	-
Organic Heart Disease - - - - -	236	-	-	1	3	8	17	10	38	54	56	49
Bronchitis - - - - -	258	36	22	-	1	1	4	7	23	47	62	55
Pneumonia (all forms) - - - - -	430	83	98	13	6	16	33	32	43	34	47	25
Other Diseases of Respiratory Organs - - - - -	40	5	5	1	-	1	3	1	7	2	8	7
Diarrhoea and Enteritis (under 2 years) - - - - -	36	32	4	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	16	-	-	1	5	4	2	2	-	2	-	-
All Liver Diseases (not Malignant) - - - - -	15	-	-	1	-	-	-	4	4	1	4	1
Other Diseases of Digestive System - - - - -	83	8	9	3	-	1	7	5	7	13	15	15
Nephritis and Bright's Disease - - - - -	98	1	4	2	2	2	4	10	12	19	28	14
Puerperal Sepsis - - - - -	7	-	-	-	-	1	3	3	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	14	-	-	-	-	-	8	6	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	164	159	2	-	-	3	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	78	4	5	12	5	5	7	5	13	10	4	8
Suicide - - - - -	8	-	-	-	-	1	1	2	2	1	1	-
Other Defined Diseases - - - - -	665	45	18	7	6	8	9	38	48	104	153	229
Diseases Ill-defined or Unknown - - - - -	57	7	5	1	1	1	-	3	11	12	13	3
All Causes - - - - -	3137	496	439	107	56	103	162	197	293	386	456	437

* Sole Cause specified, vide pp. 30-31.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	...	...	...	1	...	...	...	...
Typhus Fever	1	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	70	3	...	...	2	2	1	...
Scarlet Fever	3	...	...	...	...	1	1	...
Whooping-cough	141	32	...	1	2	8	1	...
Diphtheria and Croup	9	6	1	4	1	2	...	...
Influenza (<i>Sole Cause specified</i>)	8	5	2	1	1	3	1	...
Erysipelas	2	1	1	1	1	1	...	1
Phthisis, Pulmonary Tuberculosis	93	25	18	14	9	9	9	3
Tuberculous Meningitis	20	4	3	1	2	...	3	...
Abdominal Tuberculosis	15	4	2	1	2	2	1	...
Other Tuberculous Diseases	11	8	5	5	2	1	2	...
Cancer, Malignant Disease	85	21	12	18	5	12	8	2
Rheumatic Fever	3	...	1	1	1	...	...	...
Meningitis	22	2	3	...	3	...	2	1
Organic Heart Disease	89	35	25	23	12	4	14	3
Bronchitis	130	32	12	13	15	10	14	...
Pneumonia (all forms)	253	41	27	15	13	11	28	4
Other Diseases of Respiratory Organs	24	2	2	2	1	3	1	1
Diarrhoea and Enteritis (under 2 years)	20	1	2	1	1	2	1	2
Appendicitis and Typhlitis	6	2	3	1	1	1	...	...
All Liver Diseases (not Malignant)	4	2	2	...	2	1	...	...
Other Diseases of Digestive System	42	13	3	9	6	2	1	3
Nephritis and Bright's Disease	57	4	4	7	5	...	2	4
Puerperal Sepsis	6	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	4	3	...	1	1	...	1	1
Congenital Debility and Malformation, including Premature Birth	79	15	10	13	3	9	9	...
Violent Deaths, excluding Suicide	34	6	8	3	4	1	2	1
Suicide	3	...	1	2	...	...	1	...
Other Defined Diseases	283	121	55	54	19	19	27	9
Diseases Ill-defined or Unknown	29	7	3	2	3	2	1	3
All Causes ...	1546	396	205	194	117	106	131	38
<i>Influenza—Contributory Cause, otherwise classified above</i>	<i>85</i>	<i>13</i>	<i>5</i>	<i>2</i>	<i>3</i>	<i>7</i>	<i>6</i>	<i>4</i>
AGE AT DEATH.								
Under 1	258	52	26	25	10	19	25	3
1-4	282	44	15	10	12	14	13	2
5-9	62	11	5	5	6	2	3	2
10-14	29	9	3	3	3	1	3	...
15-24	51	7	12	10	5	4	4	2
25-34	73	28	10	11	4	4	7	2
35-44	89	19	16	15	9	7	15	2
45-54	138	29	28	9	13	9	9	5
55-64	180	56	28	29	12	17	16	5
65-74	209	53	28	41	23	14	22	8
75 and over	175	88	34	36	20	15	14	6
All Ages ...	1546	396	205	194	117	106	131	38

DEATHS IN EACH TOWN (corrected for Transfers)—April 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever	1	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	1	...	3	2	2	...	2
Scarlet Fever ... ..	...	1	...	...	...	...	...	...
Whooping-cough	14	...	...	4	1	1	5	3
Diphtheria and Croup ... ..	...	...	1	...	...	...	...	...
Influenza (<i>Sole Cause specified</i>)...	...	...	1	1	1	1	1	2
Erysipelas ... ..	...	1	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	2	5	1	4	...	4	3	5
Tuberculous Meningitis ... ..	...	...	1	2	...	...	1	1
Abdominal Tuberculosis ... ..	...	1	1	...	3	1	...	2
Other Tuberculous Diseases ... ..	...	...	3	...	1	1	1	2
Cancer, Malignant Disease	6	3	3	2	2	5	3	4
Rheumatic Fever ... ..	...	...	...	...	...	1	...	...
Meningitis	1	1	...	2	2	2	...	3
Organic Heart Disease	6	5	6	3	4	5	1	1
Bronchitis	3	4	4	5	1	9	5	1
Pneumonia (all forms)	2	5	6	6	3	6	5	5
Other Diseases of Respiratory Organs ... ..	...	1	1	...	...	1	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	1	...	2	1	1	1	...
Appendicitis and Typhlitis ... ..	...	...	...	...	...	...	...	2
All Liver Diseases (not Malignant)	1	1	2	...	...	...	...	...
Other Diseases of Digestive System ... ..	...	...	1	...	2	...	1	...
Nephritis and Bright's Disease ... ..	...	4	2	3	1	3	...	2
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	1	...	...	...	...	2	...	...
Congenital Debility and Malformation, including Premature Birth	5	3	...	6	1	7	1	3
Violent Deaths, excluding Suicide	6	...	...	2	5	4	1	1
Suicide ... ..	...	...	...	...	...	...	...	1
Other Defined Diseases	10	8	11	10	7	9	12	11
Diseases Ill-defined or Unknown	1	...	...	1	1	3	1	...
All Causes	59	45	44	56	38	68	43	51
<i>Influenza—Contributory Cause, otherwise classified above</i>	2	...	4	...	1	3	5	...
AGE AT DEATH.								
Under 1	13	11	2	15	10	13	6	8
1-4	9	3	1	10	4	8	3	8
5-9	1	...	1	2	1	5	1	...
10-14 ... ..	...	1	...	...	1	1	...	2
15-24 ... ..	...	2	1	1	1	4	1	3
25-34	4	2	2	2	4	2	3	4
35-44	4	5	4	3	2	2	4	1
45-54	6	6	10	3	5	11	7	5
55-64	8	4	4	7	4	7	6	3
65-74	5	7	7	5	5	8	10	11
75 and over	9	4	12	8	1	7	2	6
All Ages	59	45	44	56	38	68	43	51

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of APRIL 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.			WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Mean of A and B (Mean Temperature).			Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.		Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Maximum (A).	Minimum (B.)	Maximum		Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.				Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
feet.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	inch.	inch.	per cent.	inch.	°	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°</

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & Co., LTD., Thistle Street, Edinburgh.

Price Sixpence.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

MAY 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of May 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4120 living children, of whom 2082 were male and 2038 were female. Compared with the numbers registered in the previous month, the male children are 134 more, the female children are 231 more, and the total children are 365 more. Compared with the mean of the numbers registered in the three preceding months, the males are 271 more, the females are 294 more, and the total is 565 more. Compared with the number registered in May of last year the males are 147 fewer, the females are 184 fewer, and the total is 331 less. The equivalent annual birth-rate is 20·1 per thousand. It is 1·2 more than that of the previous month, and 2·0 more than the mean of those of the three preceding months, but is 1·7 less than that of May of last year. In the individual towns the monthly birth-rate varied from 29·0 in Coatbridge, 25·2 in Greenock, 24·0 in Motherwell, and 23·3 in Hamilton, to 13·3 in Kirkcaldy, 14·6 in Perth, and 16·0 in Dundee. In Glasgow this rate was 21·9; in Paisley, 20·5; in Clydebanks, 20·5; in Kilmarnock, 20·1; in Falkirk, 19·8; in Leith, 19·6; in Ayr, 17·1; in Edinburgh, 16·6; and in Aberdeen, 16·3.

Of the 4120 children whose births were registered, 3768, or 91·5 per cent., were legitimate, while 352, or 8·5 per cent., were illegitimate. Compared with the numbers of the previous month, the legitimate children are 336 more, and the illegitimate children are 29 more. Compared with the mean of the numbers of the three preceding months, the legitimate children are 553 more, and the illegitimate children are 12 more. Compared with the number of May of last year, the legitimate children are 296 fewer, and the illegitimate children are 35 fewer. The illegitimate rate is 0·1 less than that of the previous month, 1·1 less than the mean of the rates of the three preceding months, and 0·2 less than in May of last year.

Marriages registered in these towns numbered 1446. This number is 1055 less than in the previous month, and 430 less than the mean of those of the three preceding months, but is 451 more than in May of last year. It is the largest number of marriages ever registered in Scotland during the month of May. The national prejudice against marriage in May appears during recent years to be diminishing; during the three Mays preceding the declaration of war, 1912 to 1914, the average number of registered marriages was 633, but during the five years 1915 to 1919, this

average has increased to 1153. The monthly marriage-rate was 7·0 per thousand, which is 5·6 less than in April, and 2·5 less than the mean of the rates of the three months February to April, but is 2·1 more than that of May of last year. In the individual towns this rate varied from 11·6 in Aberdeen, 10·0 in Ayr, and 9·6 in Edinburgh, to 1·7 in Motherwell, 2·6 in Coatbridge, and 3·1 in Kilmarnock. In Dundee this rate was 7·2; in Glasgow, 7·0; in Leith, 5·8; in Falkirk, 5·0; in Paisley, 4·5; in Greenock, 4·3; in Perth, 4·2; in Hamilton, 4·1; in Kirkcaldy, 3·8; and in Clydebank, 3·5.

Deaths registered in these towns during the month numbered 2677, 1387 being of males, and 1290 of females. These deaths include those of 241 persons with usual residence outwith the town of registration, but exclude those of 217 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 24, falls to be deducted to get the corrected number for the month, which is thus found to be 2653. This number is 484 less than that of the previous month, 2203 less than the mean of those of the three preceding months, and 460 less than that of May of last year.

The monthly death-rate of these towns taken collectively was 12·9 per thousand. It is 2·9 below that of April, 12·0 less than the mean of those of February, March and April, and 2·3 below that of May of last year. In the individual towns the monthly death-rate varied from 14·2 in Edinburgh, 14·1 in Kilmarnock, and 13·6 in Kirkcaldy, to 8·2 in Ayr, 9·3 in Falkirk, and 9·4 in Hamilton and in Clydebank. In Glasgow this rate was 13·5; in Greenock, 13·4; in Leith, 13·3; in Aberdeen, 12·3; in Dundee, 12·1; in Coatbridge, 11·4; in Perth, 11·4; in Paisley, 11·2; and in Motherwell, 10·3.

Deaths of children of less than one year old numbered 419. This number is 77 less than that of the previous month, 242 less than the mean of those of the three preceding months, and 44 less than that of May of last year. The equivalent infantile mortality rate is 106 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 22 less than in the previous month, 66 less than the mean of those of the three preceding months, and 10 less than that of May of last year. In the individual towns this rate varied from 140 in Aberdeen, 126 in Leith, 115 in Dundee, and 112 in Glasgow, to 39 in Ayr, 53 in Falkirk, and 61 in Clydebank. In Motherwell this rate was 109; in Hamilton, 105; in Edinburgh, 100; in Paisley, 92; in Greenock, 84; in Kilmarnock, 83; in Coatbridge, 79; in Perth, 73; and in Kirkcaldy, 73.

Deaths from the principal epidemic diseases numbered 284, and included 2 from enteric fever, 106 from measles, 7 from scarlet fever, 120 from whooping-cough, 21 from diphtheria, and 28 from the diarrhoeas of childhood. These deaths collectively are 85 fewer than in the previous month, 69 less than the mean of the numbers of the three preceding months, and 54 fewer than in May of last year.

Deaths from pneumonia numbered 262, and from bronchitis, 166. The former are 168 fewer than in the previous month, and 102 fewer than in May of last year. The latter are 92 fewer than in the previous month, and 20 fewer than in May of last year.

Deaths of which influenza was the sole named cause numbered 8, and those of which influenza was one of two or more named causes, 35, the total influenza deaths thus numbering 43. This total is 125 less than that of the previous month, and is the smallest in any month since July of last year.

Deaths from tuberculous disease numbered 326, 211 of them being ascribed to phthisis. The former number is 7 more than in April, but 57 less than in May of last year. The latter number is 7 more than in April, but 28 less than in May of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

MAY 1919.

Mean barometric pressure, 30·048 in.; greater than the average of 1881–1915 by 0·100 in.

Mean temperature, 52°·6; greater by 2°·9.

Mean daily range of temperature, 15°·7; greater by 0°·8.

Rain, number of days, 9; less by 6 days.

Rain, depth in inches, 0·82; less by 1·56 in.

Wind, direction of: a 5 days' excess of winds from S.E.

Hence the month was characterised by a very high mean pressure; a very high mean temperature, with a slightly high mean daily range; an abnormally low mean rainfall; and a large excess of south-easterly winds.

After the first three or four days pressure maintained a high level with but slight fluctuations, and conditions were for the most part controlled by an anticyclone extending westwards from the Continent. The mean pressure (30·048) was the highest recorded in any month since December 1917, and the highest for May during the last ten years except in 1915 (30·099 in.). At Leith, at sea-level, readings hardly fell below 30 in. from 6th onwards, and the extremes were 30·31 in. on 27th, and 29·32 in. on 1st.

Temperature remained at a moderate to rather low level during the first week or so, but thereafter the weather was almost continuously warm except on the east coast during the last three days. Lowest readings occurred everywhere between 2nd and 4th, as low as 23° at Balmoral and Braemar, whilst on 28th, Stirling and Perth reached 80°. The mean for the month was everywhere above the normal, but in east the excess was moderate, whilst in west and south it was large,—as much as 5°·0 at Fort William, but 1°·9 at Aberdeen. At Glasgow during the last sixty years a warmer May has been experienced only in 1896, but at Edinburgh the month had a mean temperature slightly below that of May 1918. For the chief towns the mean was 52°·6, or 2°·9 above the normal; the days were 3°·3 and the nights 2°·5 above their respective averages; and the lowest reading was 30° at Perth on 2nd.

The stable pressure distribution resulted in an extremely low rainfall. Until 11th there were some moderate falls, more especially on 5th, 6th and 11th, but thereafter conditions of drought were practically uninterrupted except towards south-east on 17th, and towards north on 23rd or 24th. Wide areas had less than 1 in. for the entire month; considerable areas only about half-an-inch or less; Grantown-on-Spey only 0·23 in., and Gordon Castle only 0·28 in. The aggregate at Grantown represented only 10 per cent. of the normal rainfall for May, Gordon Castle 13, Glasgow 24, Aberdeen 25, Dumfries 27, Fort William 36, and Edinburgh 38 per cent. The month of May was slightly drier at Edinburgh in 1905, and at Fort William in 1915; but at Grantown and Nairn, for example, the month was the driest May on record, whilst at Glasgow during the last sixty years the aggregate for May has been smaller only in 1895. The mean for the chief towns was 0·82 in., or 34 per cent. of the normal.

Wind force was for the most part low or very low.

There was a little hail and slight snow in some districts early in the month, and thunderstorms here and there on 10th, 11th, 17th, 24th or 30th, though over wide areas none occurred. At Crathes on afternoon of 24th a thunderstorm was accompanied by hailstones half-an-inch in diameter, and in twenty minutes the "rainfall" was nearly one-third of an inch.

After some cloudy weather early in the month there was much brilliant sunshine, especially in the west, and aggregates were everywhere above the normal. In the east there was fog at times, especially in the Firth of Forth from 27th to 30th.

Aurora was observed at some points on 1st, 2nd or 3rd.

NOTE.—For meteorological table see p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MAY 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1045	1031	2076	1911	165	668	674	619	1293	89	81	1285
EDINBURGH, . .	320,769	336,500	235	239	474	405	69	274	218	223	441	72	36	405
DUNDEE, . . .	176,085	181,800	113	134	247	225	22	111	100	88	188	9	8	187
ABERDEEN, . .	163,891	163,000	114	119	233	206	27	165	97	89	186	21	11	176
PAISLEY, . . .	84,455	89,600	80	76	156	143	13	34	39	49	88	6	3	85
LEITH,	80,601	85,100	83	59	142	125	17	42	37	30	67	1	30	96
GREENOCK, . .	75,140	79,800	89	82	171	165	6	29	50	44	94	8	5	91
PERTH,	35,854	36,300	20	25	45	41	4	13	20	18	38	4	1	35
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,095,800	1779	1765	3544	3221	323	1336	1235	1160	2395	210	175	2360
COATBRIDGE, . .	43,290	44,600	53	57	110	105	5	10	26	16	42	1	2	43
MOTHERWELL . .	40,380	42,200	42	44	86	83	3	6	15	18	33	2	6	37
KIRKCALDY . . .	39,601	40,600	26	20	46	45	1	13	22	17	39	0	8	47
HAMILTON, . . .	33,644	39,900	38	41	79	74	5	14	14	16	30	2	4	32
CLYDEBANK, . .	37,548	47,600	51	32	83	81	2	14	18	10	28	0	10	38
KILMARNOCK, . .	34,728	37,600	40	24	64	61	3	10	25	31	56	15	4	45
FALKIRK, . . .	33,574	35,600	29	31	60	56	4	15	19	9	28	3	3	28
AYR,	32,986	33,000	24	24	48	42	6	28	13	13	26	8	5	23
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,416,900	2082	2038	4120	3768	352	1446	1387	1290	2677	241	217	2653

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MAY 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	21·9	7·9	7·0	13·6	13·5	1·8	1·7	1·1	2·3	219	112
EDINBURGH, . .	16·6	14·6	9·6	15·4	14·2	1·6	2·2	1·5	2·3	44	100
DUNDEE, . . .	16·0	8·9	7·2	12·2	12·1	0·2	1·7	1·0	2·9	28	115
ABERDEEN, . .	16·3	11·6	11·6	13·0	12·3	0·6	1·3	1·1	1·8	33	140
PAISLEY, . . .	20·5	8·3	4·5	11·6	11·2	0·9	0·7	0·3	1·8	13	92
LEITH,	19·6	12·0	5·8	9·3	13·3	2·4	1·2	1·2	2·8	17	126
GREENOCK, . .	25·2	3·5	4·3	13·9	13·4	0·4	1·9	0·9	2·7	15	84
PERTH,	14·6	8·9	4·2	12·3	11·4	0·0	0·6	0·3	0·3	3	73
TOTAL . . . (EIGHT TOWNS)	19·9	9·1	7·5	13·5	13·3	1·4	1·6	1·1	2·3	372	111
COATBRIDGE, . .	29·0	4·5	2·6	11·1	11·4	1·3	1·1	0·5	2·9	8	79
MOTHERWELL, . .	24·0	3·5	1·7	9·2	10·3	1·1	0·3	0·3	1·4	10	109
KIRKCALDY, . .	13·3	2·2	3·8	11·3	13·6	0·9	0·6	0·3	0·0	4	73
HAMILTON, . . .	23·3	6·3	4·1	8·9	9·4	0·9	1·2	0·3	2·4	9	105
CLYDEBANK, . .	20·5	2·4	3·5	6·9	9·4	0·7	2·2	1·2	1·2	6	61
KILMARNOCK, . .	20·1	4·7	3·1	17·6	14·1	2·5	1·6	0·6	1·6	5	83
FALKIRK, . . .	19·8	6·7	5·0	9·3	9·3	0·7	1·7	1·3	1·0	3	53
AYR,	17·1	12·5	10·0	9·3	8·2	0·7	1·4	1·1	0·7	2	39
TOTAL . . . (SIXTEEN TOWNS)	20·1	8·5	7·0	13·0	12·9	1·4	1·6	1·0	2·2	419	106

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR MAY 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAY 1919, .	20.1	8.5	7.0	12.9	2	0	106	7	120	21	28	106	52°·6
MAY 1918, .	21.8	8.7	4.9	15.2	7	0	140	8	125	28	30	116	52°·6
MAY 1917, .	21.5	8.1	4.7	16.4	3	0	277	16	257	27	43	128	49°·6
MAY 1916, .	27.2	6.9	5.7	15.3	1	0	133	26	56	22	35	110	49°·3
MAY 1915, .	25.3	6.7	6.2	17.5	2	0	235	30	215	31	50	132	48°·3
MAY 1914, .	27.1	6.6	3.4	15.2	5	0	104	21	72	22	42	105	50°·2
MAY 1913, .	27.6	6.6	3.5	16.5	9	0	148	22	169	34	71	116	50°·0
MAY 1912, .	28.4	7.4	3.1	15.7	7	0	125	14	57	22	53	107	51°·0
MAY 1911, .	29.7	7.4	4.5	17.5	7	1	50	17	186	16	33	134	53°·2
MAY 1910, .	29.6	7.6	4.6	16.7	3	0	134	20	36	14	43	111	49°·9
MAY 1909, .	29.0	6.9	4.2	17.7	2	0	25	20	153	23	50	121	50°·1

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	2	-	-	-	1	1	-	-	-	-	-	-
Typhus Fever - - - - -	2	-	-	-	-	-	-	-	2	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	106	31	70	5	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	7	-	3	4	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	120	45	72	3	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	21	-	9	10	1	1	-	-	-	-	-	-
Influenza - - - - -	8	-	-	-	-	-	-	2	1	2	2	1
Erysipelas - - - - -	4	2	-	-	-	-	-	-	1	-	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	211	2	4	5	5	42	53	41	35	19	4	1
Tuberculous Meningitis - - - - -	47	7	23	9	5	2	1	-	-	-	-	-
Abdominal Tuberculosis - - - - -	30	3	10	2	6	6	2	-	-	1	-	-
Other Tuberculous Diseases - - - - -	38	3	6	3	6	5	5	5	3	1	1	-
Cancer, Malignant Disease - - - - -	214	-	-	-	1	1	3	17	44	71	62	15
Rheumatic Fever - - - - -	6	-	-	-	-	1	1	-	4	-	-	-
Meningitis - - - - -	28	10	9	3	2	1	1	2	-	-	-	-
Organic Heart Disease - - - - -	226	1	1	1	1	6	13	14	24	46	64	55
Bronchitis - - - - -	166	21	12	-	2	-	1	6	14	27	43	40
Pneumonia (all forms) - - - - -	262	43	58	10	10	14	13	19	16	32	31	16
Other Diseases of Respiratory Organs - - - - -	22	1	5	1	-	-	-	2	6	1	1	5
Diarrhoea and Enteritis (under 2 years) - - - - -	28	25	3	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	15	-	1	1	-	1	2	3	5	1	1	-
All Liver Diseases (not Malignant) - - - - -	18	-	-	-	-	-	2	-	5	6	3	2
Other Diseases of Digestive System - - - - -	83	9	5	3	1	4	4	11	13	13	12	8
Nephritis and Bright's Disease - - - - -	96	1	-	-	-	3	2	6	18	27	18	21
Puerperal Sepsis - - - - -	3	-	-	-	-	-	3	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	8	-	-	-	-	2	3	3	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	157	155	-	1	1	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	†87	-	10	7	3	8	13	12	14	7	6	6
Suicide - - - - -	3	-	-	-	-	1	-	2	-	-	-	-
Other Defined Diseases - - - - -	599	53	16	3	8	14	19	38	51	91	136	170
Diseases Ill-defined or Unknown - - - - -	36	7	1	-	-	-	2	3	12	5	4	2
All Causes - - - - -	†2653	419	318	71	53	113	143	186	268	350	389	342

* Sole Cause specified, vide pp. 38-39. † Including 1 of unstated age.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	1	...	...	...	...	...	...	...
Typhus Fever	2	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	74	10	...	...	4	9	1	...
Scarlet Fever	3	4	...	...	...	...	...	...
Whooping-cough	69	26	...	2	2	7	1	...
Diphtheria and Croup	10	4	1	3	...	1	...	...
Influenza (<i>Sole Cause specified</i>)	1	2	...	1	2	...	1	...
Erysipelas	2	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	100	43	16	15	2	9	6	1
Tuberculous Meningitis	24	5	4	2	2	...	4	...
Abdominal Tuberculosis	18	5	2	...	...	...	1	1
Other Tuberculous Diseases	15	9	4	1	1	...	2	...
Cancer, Malignant Disease	103	31	14	17	11	8	6	4
Rheumatic Fever	2	1	...	1	...	...	...	...
Meningitis	16	2	2	...	2	1	1	...
Organic Heart Disease	83	42	18	16	6	10	11	6
Bronchitis	73	21	20	12	8	6	8	...
Pneumonia (all forms)	135	42	23	14	4	14	10	1
Other Diseases of Respiratory Organs	12	4	2	...	2	...	...	...
Diarrhœa and Enteritis (under 2 years)	14	1	2	3	1	...	1	...
Appendicitis and Typhlitis	4	3	1	4	1	...	...	...
All Liver Diseases (not Malignant)	12	1	...	1	...	...	...	1
Other Diseases of Digestive System	43	8	3	8	3	4	...	1
Nephritis and Bright's Disease	54	12	7	5	4	2	2	...
Puerperal Sepsis	2	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	5	2	...	...	1	...	...	...
Congenital Debility and Malformation, including Premature Birth	78	11	17	13	5	2	9	2
Violent Deaths, excluding Suicide	47	8	7	3	3	2	6	...
Suicide ... ..	...	...	1	...	...	...	...	...
Other Defined Diseases	258	106	41	52	21	21	20	17
Diseases Ill-defined or Unknown	25	1	2	3	...	...	1	1
All Causes	1285	405	187	176	85	96	91	35
<i>Influenza—Contributory Cause, otherwise classified above</i>	13	7	3	3	...	3	2	...
AGE AT DEATH.								
Under 1	219	44	28	33	13	17	15	3
1- 4	191	37	12	12	10	13	8	...
5- 9	39	7	9	2	1	3	1	...
10-14	28	6	3	2	...	3	3	1
15-24	59	18	8	8	3	2	1	1
25-34	67	21	12	14	4	4	6	1
35-44	92	28	16	8	11	6	5	2
45-54	142	38	14	12	8	11	13	...
55-64	157	68	23	22	9	13	14	11
65-74	164	67	36	25	18	12	15	6
75 and over	127	71	26	38	8	12	10	10
All Ages	1285	405	187	176	85	96	91	35

DEATHS IN EACH TOWN (corrected for Transfers)—May 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	1	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	3	...	...	1	4	...	...
Scarlet Fever ... ..	...	...	...	...	...	...	...	...
Whooping-cough	4	...	...	2	1	4	1	1
Diphtheria and Croup ... ..	...	...	1	...	...	...	...	1
Influenza (<i>Sole Cause specified</i>)...	...	...	...	...	1	...	...	...
Erysipelas ... ..	...	...	...	1	...	1	...	...
Phthisis, Pulmonary Tuberculosis ...	2	1	1	1	5	2	4	3
Tuberculous Meningitis ... ..	...	...	1	2	2	1	...	...
Abdominal Tuberculosis	2	...	...	1	...	...	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	2	2	1	1
Cancer, Malignant Disease	3	4	3	3	...	3	3	1
Rheumatic Fever ... ..	...	...	1	...	...	1	...	...
Meningitis	1	1	...	1	...	...	...	1
Organic Heart Disease	6	5	11	2	1	5	3	1
Bronchitis	7	3	...	2	3	3	...	...
Pneumonia (all forms)	4	2	...	5	1	2	3	2
Other Diseases of Respiratory Organs ...	...	...	...	1	1	...	...	...
Diarrhoea and Enteritis (under 2 years)	1	1	2	...	1	...	1	...
Appendicitis and Typhlitis ... ..	...	1	...	...	...	1	...	...
All Liver Diseases (not Malignant) ...	...	1	...	...	...	1	1	...
Other Diseases of Digestive System ...	2	1	2	...	2	1	2	3
Nephritis and Bright's Disease ... ..	...	2	1	2	3	...	1	1
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth	4	5	2	4	...	2	1	2
Violent Deaths, excluding Suicide ...	1	1	1	1	5	1	...	1
Suicide ... ..	...	...	...	...	2	...	...	...
Other Defined Diseases	5	6	19	3	7	11	7	5
Diseases Ill-defined or Unknown	1	...	2	...	...	...	...	...
All Causes	43	37	47	32	38	45	28	23
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	...	1	...	1	1	1
AGE AT DEATH.								
Under 1	8	10	4	9	6	5	3	2
1-4	7	4	2	4	4	9	2	2
5-9	1	1	...	1	3	2	1	...
10-14 ... ..	...	...	...	2	3	1	...	1
15-24	1	2	...	1	3	2	1	3
25-34	3	1	...	2	5	...	2	1
35-44	3	2	2	...	3	1	4	3
45-54	7	...	8	6	2	4	2	1
55-64	5	7	8	2	3	5	1	2
65-74	6	7	11	2	2	6	9	3
75 and over	2	3	12	3	3	10	3	4
All Ages	43	37	47	32	*38	45	28	23

* Including 1 of unstated age.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MAY 1919.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.			RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Absolute Maximum and Minimum.				Difference from Average	Mean of A and B (Mean Tem- perature)	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					Maximum (A).	Minimum (B.)	Day of Month.	Minimum.										Day of Month.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.

† At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & Co., LTD., Thistle Street, Edinburgh.

Price Sixpence.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

JUNE 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of June 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4175 living children, of whom 2195 were male and 1980 female. Compared with the number registered in the previous month, the male children are 113 more, and the children of the two sexes combined are 55 more, but the female children are 58 fewer. Compared with the mean of the numbers of the three preceding months, the male children are 240 more, the female are 78 more, and the two sexes combined are 318 more. Compared with the number registered in June of last year, the male children are 175 more, the female 30 more, and the total 205 more. The equivalent annual birth-rate is 21·0 per thousand of the estimated aggregate population of these towns. This rate is 0·9 more than that of the previous month, 2·0 more than the mean of those of the three preceding months, and 0·9 more than that of June of last year. In the individual towns the monthly birth-rate varied from 27·9 in Clydebank, 26·1 in Greenock, 25·4 in Motherwell, and 25·0 in Hamilton, to 12·7 in Perth, 16·5 in Kirkcaldy, 17·4 in Falkirk, and 17·5 in Aberdeen. In Paisley this rate was 23·0; in Ayr, 22·8; in Glasgow, 22·3; in Coatbridge, 22·1; in Kilmarnock, 21·1; in Dundee, 19·3; in Edinburgh, 18·1; and in Leith, 18·0.

Of the 4175 children whose births were registered, 3787, or 90·7 per cent., were legitimate, while 388, or 9·3 per cent., were illegitimate. The number of legitimate children is 19 more than that of the previous month, 282 more than the mean of those of the three preceding months, and 196 more than that of June of last year. The number of illegitimate children is 36 more than that of the previous month, 36 more than the mean of those of the three preceding months, and 9 more than that of June of last year. The illegitimate rate, 9·3 per cent., is 0·8 more than that of the previous month, and 0·2 more than the mean of those of the three preceding months, but is 0·2 less than that of June of last year. In the individual towns this rate varied from 15·8 per cent. in Aberdeen, 14·5 in Dundee, and 12·8 in Edinburgh, to 1·2 in Hamilton, 2·0 in Falkirk, and 2·8 in Clydebank. In Coatbridge this rate was 9·9; in Kirkcaldy, 9·1; in Greenock, 8·8; in Glasgow, 8·6; in Perth, 7·9; in Paisley, 7·7; in Kilmarnock, 6·2; in Leith, 5·6; in Ayr, 4·8; and in Motherwell, 4·5.

Marriages registered numbered 3171. This number is 1725 more than that of the previous month, 1274 more than the mean of those of the preceding three months, and 1187 more than that of June of last year. The equivalent annual marriage-rate is 16·0 per thousand, which is 9·0 more than that of May, 6·6 more

than the mean of those of the three preceding months—March to May—and 6·0 more than that of June of last year. It is the highest marriage-rate which has occurred in the Sixteen Principal Towns since their statistics have been dealt with collectively, and that is since 1911. Previous to 1911 only eight towns were included in these monthly reports, and in those eight the marriage-rate of the month was 16·6, which is higher than all comparable monthly rates subsequent to that of June 1902. In the individual towns this rate varied from 20·4 in Edinburgh, 19·3 in Aberdeen, and 16·4 in Glasgow and in Falkirk, to 7·0 in Hamilton, 8·7 in Clydebank, 10·4 in Motherwell, and 11·1 in Kirkcaldy. In Ayr this rate was 15·8; in Perth, 15·4; in Greenock, 15·1; in Leith, 13·7; in Kilmarnock, 13·3; in Dundee, 12·9; in Paisley, 12·1; and in Coatbridge, 12·0.

Deaths registered in these towns during the month numbered 2351, of which 1199 were of males, and 1152 of females. These deaths included those of 244 persons with usual residence outwith the town of registration, but excluded those of 189 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 55, falls to be deducted to get the corrected number for the month, which is thus found to be 2296. This number is 357 less than that of the previous month, and 1407 less than the mean of those of the three preceding months, but is 129 more than that of June of last year.

The death-rate for the month, corrected, is 11·6 per thousand. It is 1·3 less than that of the previous month, and 6·6 less than the mean of those of the three preceding months, but is 0·6 more than that of June of last year. In the individual towns the monthly death-rate varied from 13·6 in Kilmarnock, 12·9 in Ayr, and 12·6 in Greenock, to 7·5 in Falkirk, 8·5 in Coatbridge, and 9·2 in Motherwell. In Kirkcaldy this rate was 12·3; in Glasgow, 12·1; in Edinburgh, 11·9; in Dundee, 11·0; in Leith, 11·0; in Paisley, 10·7; in Perth, 10·4; in Aberdeen, 10·3; in Hamilton, 10·1; and in Clydebank, 10·0.

Deaths of children of less than one year old numbered 338. This number is 81 less than in the previous month, and 219 less than the mean of those of the three preceding months, but is 28 more than that of June of last year. They are equal to an infantile mortality rate of 88 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 18 less than that of the previous month, and 52 less than the mean of those of the three preceding months, but is 7 more than that of June of last year. In the individual towns this rate varied from 220 in Kilmarnock, 148 in Kirkcaldy, 109 in Paisley, and 100 in Aberdeen, to 0 in Perth, 20 in Ayr, and 37 in Hamilton. In Dundee this rate was 97; in Glasgow, 90; in Greenock, 88; in Leith, 85; in Edinburgh, 81; in Coatbridge 63; in Clydebank, 63; in Motherwell, 56; and in Falkirk, 56.

Deaths from the principal epidemic diseases numbered 185, and included 1 from enteric fever, 75 from measles, 5 from scarlet fever, 69 from whooping-cough, 11 from diphtheria, and 24 from the diarrhoeas of childhood. The number of these deaths is 99 less than that of the previous month, 157 less than the mean of those of the three preceding months, and 8 less than that of June of last year.

Deaths from pneumonia numbered 174, and those from bronchitis, 109. The former are 88 fewer than in the previous month, but 22 more than in June of last year. The latter are 57 fewer than in the previous month, but 14 more than in June of last year.

Deaths of which influenza was the sole named cause numbered 5, and those of which it was one of two or more named causes, 16, the total being 21. In the previous month this total was 43.

Deaths from tuberculous disease numbered 279, 188 of them being ascribed to phthisis. The former number is 47 less than in the previous month, and 42 less than in June of last year. The latter number is 23 less than in the previous month, but 2 more than in June of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

JUNE 1919.

Mean barometric pressure, 30·004 in.; greater than the average of 1881–1915 by 0·035 in.

Mean temperature, 55°·4; equal to the normal.

Mean daily range of temperature, 14°·7; less by 0°·6.

Rain, number of days, 18; greater by 4 days.

Rain, depth in inches, 2·85; greater by 0·65 in.

Wind, direction of: a 9 days' excess of winds from S.W., W. and N.W.

Hence the month was characterised by a slightly high mean pressure; a mean temperature equal to the normal, with a slightly low mean daily range; a somewhat high mean rainfall; and a large excess of westerly winds.

At the beginning and towards the end of the month pressure stood for the most part at a fairly high level, and fluctuations were most important between 11th and 13th, when a depression crossed our Islands. The mean value was slightly above the normal, and at Leith, at sea-level, the extremes were 30·37 in. on the morning of 10th, and 29·61 in. on the evening of 12th.

Except for one or two rather cold nights the early part of the month was decidedly warm, as had been the last three weeks of May; but after 12th, with frequent winds from north-west, the weather became steadily colder; at many places the 29th or 30th was the coldest day of the month, and everywhere the last week had a mean temperature much below the normal. Highest temperatures were in most districts recorded on 7th (80° at Smeaton in East Lothian), and lowest on 3rd or 26th (29° at West Linton on 3rd). For the chief towns the mean was 55°·4, being the normal; the days were 0°·3 below and the nights 0°·3 above their respective averages; and the extremes were 78° at Dundee on 7th, and 34° at Perth on 2nd.

After a prolonged spell of dry weather conditions became rather unsettled on 3rd, but in most eastern and some southern districts aggregates for the month were below the normal and largely accounted for between 9th and 12th. On the other hand, amounts in north-west, west and south-west were largely in excess, mainly on account of fairly heavy falls between 7th and 10th and during the third week, and very heavy falls in west and south-west during a thunderstorm on 12th. The aggregate at Aberdeen represented 77 per cent. of the normal rainfall for June, Perth 58, and Marchmont 67; but Stornoway 234, Fort William 189, Kilmarnock 233, and Colmonell 194 per cent. At Stornoway the month was the wettest June on record, but at Glasgow the total of 4·52 in. was only half of that recorded in June 1872. The thunder rains of 12th were of extraordinary intensity, Benwhat, near Dalmellington, recording as much as 3·07 in. during the storm, Colmonell 2·70 in., and Glasgow (Observatory) 2·35 in. between 3.15 p.m. and 8 p.m. (G.M.T.). The mean for the chief towns was 2·85 in., or 130 per cent. of the normal.

Winds were at times squally and of considerable force.

During the severe thunderstorm of 12th some heavy hail fell, and considerable damage was done by lightning; the torrential rains were followed by serious flooding in many districts. In Ayrshire the storm lasted for several hours, and was at its greatest intensity about noon; it penetrated in a modified form to the East Coast in the late afternoon, but was not experienced at, *e.g.*, Aberdeen. Thunderstorms of minor importance occurred at Glasgow and elsewhere on both 11th and 13th, and here and there on 2nd.

There were a few very sunny days, but a good deal of cloudy weather. In most eastern districts sunshine aggregates were below the normal; at Glasgow rather above it.

NOTE.—For meteorological table see p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JUNE 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,008,487	1,118,700	1067	981	2048	1871	177	1512	600	540	1140	98	75	1117
EDINBURGH,	320,769	336,500	262	238	500	436	64	564	170	199	369	77	36	328
DUNDEE,	176,085	181,800	150	139	239	247	42	193	77	85	162	5	7	164
ABERDEEN,	163,891	163,000	129	112	241	203	38	266	79	81	160	22	4	142
PAISLEY,	84,455	89,600	92	77	169	156	13	89	39	46	85	10	4	79
LEITH,	80,601	85,100	64	62	126	119	7	96	25	30	55	1	23	77
GREENOCK,	75,140	79,800	91	80	171	156	15	99	48	40	88	6	1	83
PERTH,	35,854	36,300	24	14	38	35	3	46	17	20	37	7	1	31
TOTAL (EIGHT TOWNS)	1,945,282	2,095,800	1879	1703	3582	3223	359	2865	1055	1041	2096	226	151	2021
COATBRIDGE,	43,290	44,600	48	33	81	73	8	44	17	15	32	2	1	31
MOTHERWELL	40,380	42,200	42	46	88	84	4	36	15	13	28	0	4	32
KIRKCALDY	39,601	40,600	30	25	55	50	5	37	22	14	36	0	5	41
HAMILTON,	38,644	39,900	41	41	82	81	1	23	19	12	31	2	4	33
CLYDEBANK,	37,543	47,600	59	50	109	106	3	34	14	12	26	1	14	39
KILMARNOCK,	34,728	37,600	34	31	65	61	4	41	21	21	42	3	3	42
FALKIRK,	33,574	35,600	33	18	51	50	1	48	13	8	21	3	4	22
AYR,	32,986	33,000	29	33	62	59	3	43	23	16	39	7	3	35
TOTAL (SIXTEEN TOWNS)	2,246,033	2,416,900	2195	1980	4175	3787	388	3171	1199	1152	2351	244	189	2296

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JUNE 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW,	22·3	8·6	16·4	12·4	12·1	1·2	1·5	1·0	1·7	171	90
EDINBURGH,	18·1	12·8	20·4	13·3	11·9	0·7	1·4	1·0	1·6	35	81
DUNDEE,	19·3	14·5	12·9	10·8	11·0	0·5	1·7	1·3	1·3	23	97
ABERDEEN,	17·5	15·8	19·3	11·6	10·3	0·3	1·6	1·1	1·3	23	100
PAISLEY,	23·0	7·7	12·1	11·5	10·7	0·7	1·1	0·8	0·8	15	109
LEITH,	18·0	5·6	13·7	7·9	11·0	1·9	1·4	0·6	1·1	11	85
GREENOCK,	26·1	8·8	15·1	13·4	12·6	1·1	1·4	0·9	2·0	15	88
PERTH,	12·7	7·9	15·4	12·4	10·4	0·0	1·0	0·7	1·0	0	0
TOTAL (EIGHT TOWNS)	20·8	10·0	16·6	12·2	11·7	0·9	1·5	1·0	1·6	293	89
COATBRIDGE,	22·1	9·9	12·0	8·7	8·5	1·4	0·3	0·0	1·9	6	63
MOTHERWELL,	25·4	4·5	10·4	8·1	9·2	1·2	1·2	0·9	2·3	5	56
KIRKCALDY,	16·5	9·1	11·1	10·8	12·3	0·0	1·2	0·3	0·6	8	148
HAMILTON,	25·0	1·2	7·0	9·5	10·1	0·3	0·0	0·0	0·3	3	37
CLYDEBANK,	27·9	2·8	8·7	6·6	10·0	1·3	2·3	2·0	1·5	6	63
KILMARNOCK,	21·1	6·2	13·3	13·6	13·6	1·6	1·3	1·0	3·6	13	220
FALKIRK,	17·4	2·0	16·4	7·2	7·5	0·3	0·3	0·3	2·0	3	56
AYR,	22·8	4·8	15·8	14·4	12·9	0·4	1·1	0·4	0·4	1	26
TOTAL (SIXTEEN TOWNS)	21·0	9·3	16·0	11·8	11·6	0·9	1·4	0·9	1·6	338	88

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JUNE 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JUNE 1919, .	21·0	9·3	16·0	11·6	1	0	75	5	69	11	24	88	55°·4
JUNE 1918, .	20·1	9·5	10·0	11·0	3	0	69	5	60	25	31	81	54°·9
JUNE 1917, .	21·4	8·6	9·7	14·2	1	0	204	6	201	20	34	99	55°·5
JUNE 1916, .	25·0	7·6	10·1	13·0	6	0	90	24	29	28	44	82	52°·8
JUNE 1915, .	25·0	6·9	14·2	16·9	1	0	356	38	113	23	64	117	55°·8
JUNE 1914, .	29·8	7·5	14·1	15·2	6	0	60	24	74	22	61	109	56°·8
JUNE 1913, .	27·8	7·3	13·0	14·9	5	0	150	20	101	27	45	96	55°·7
JUNE 1912, .	25·4	7·3	12·8	14·0	3	0	128	15	54	19	57	104	54°·6
JUNE 1911, .	27·9	8·2	14·8	14·5	3	0	58	9	127	17	43	95	56°·2
JUNE 1910, .	28·9	7·2	14·1	15·4	4	0	56	20	38	20	64	101	55°·8
JUNE 1909, .	30·1	7·6	14·2	15·9	6	0	29	14	30	21	50	98	54°·0

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	1	-	-	-	1	-	-	-	-	-	-	-
Typhus Fever - - - - -	2	-	-	-	-	-	-	2	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	75	21	48	6	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	5	1	2	2	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	69	25	39	4	-	1	-	-	-	-	-	-
Diphtheria and Croup - - - - -	11	1	5	5	-	-	-	-	-	-	-	-
Influenza - - - - -	5	-	-	-	1	-	1	1	1	-	-	1
Erysipelas - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	188	3	7	6	14	34	46	35	28	10	4	1
Tuberculous Meningitis - - - - -	38	6	16	6	6	3	1	-	-	-	-	-
Abdominal Tuberculosis - - - - -	23	1	8	4	2	2	3	-	2	-	1	-
Other Tuberculous Diseases - - - - -	30	1	6	4	6	4	3	1	1	2	2	-
Cancer, Malignant Disease - - - - -	222	-	1	-	-	-	6	29	43	67	58	18
Rheumatic Fever - - - - -	3	-	-	-	2	-	1	-	-	-	-	-
Meningitis - - - - -	33	12	10	1	2	3	2	-	2	1	-	-
Organic Heart Disease - - - - -	209	1	-	1	3	2	8	16	32	39	68	39
Bronchitis - - - - -	109	17	2	1	-	-	1	3	7	14	37	27
Pneumonia (all forms) - - - - -	174	29	37	2	3	5	12	14	17	26	16	13
Other Diseases of Respiratory Organs - - - - -	29	-	2	-	1	1	2	2	4	5	9	3
Diarrhoea and Enteritis (under 2 years) - - - - -	24	18	6	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	23	-	-	1	7	6	3	-	1	4	1	-
All Liver Diseases (not Malignant) - - - - -	10	-	-	-	-	-	-	2	1	5	1	1
Other Diseases of Digestive System - - - - -	64	7	4	2	3	2	4	7	6	17	7	5
Nephritis and Bright's Disease - - - - -	69	1	-	1	2	2	3	4	20	13	14	9
Puerperal Sepsis - - - - -	6	-	-	-	-	-	3	3	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	11	-	-	-	-	2	7	2	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	146	146	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	91	3	8	10	6	18	9	8	11	9	4	5
Suicide - - - - -	3	-	-	-	-	-	1	1	-	1	-	-
Other Defined Diseases - - - - -	572	40	17	7	9	25	16	33	56	95	135	139
Diseases Ill-defined or Unknown - - - - -	49	3	-	-	-	1	-	2	9	15	12	7
All Causes - - - - -	2296	338	218	63	68	111	132	165	241	323	369	268

* Sole Cause specified, vide pp. 46-47.

DEATHS IN EACH TOWN (corrected for Transfers)— June 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever	2	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	39	6	4	...	5	8	1	...
Scarlet Fever	3	1	...	...	...	...	...	...
Whooping-cough	50	9	...	2	...	2	2	...
Diphtheria and Croup	6	1	...	...	...	3	...	...
Influenza (<i>Sole Cause specified</i>) ... ..	...	2	...	1	...	...	...	...
Erysipelas ... ..	...	1	...	...	1	...	...	...
Phthisis, Pulmonary Tuberculosis	91	27	20	15	6	4	6	2
Tuberculous Meningitis	15	6	4	2	...	2	2	1
Abdominal Tuberculosis	13	4	...	2	1	1	1	...
Other Tuberculous Diseases	17	3	1	3	1	3	...	...
Cancer, Malignant Disease	102	33	19	15	9	7	8	7
Rheumatic Fever	2	...	...	1	...	...	...	...
Meningitis	15	2	5	...	2	1	1	...
Organic Heart Disease	84	39	17	15	8	5	10	5
Bronchitis	50	21	4	7	2	2	4	1
Pneumonia (all forms)	93	22	13	8	3	6	7	1
Other Diseases of Respiratory Organs	15	1	3	3	1	...	2	1
Diarrhœa and Enteritis (under 2 years)	11	1	3	2	...	...	4	...
Appendicitis and Typhlitis	9	3	2	...	3	1	2	...
All Liver Diseases (not Malignant)	6	...	...	1	...	2	...	...
Other Diseases of Digestive System	33	12	3	1	4	1	2	...
Nephritis and Bright's Disease	41	9	5	3	1	2	2	1
Puerperal Sepsis	5	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	5	...	2	...	1	...	2	1
Congenital Debility and Malformation, including Premature Birth	72	17	9	9	9	4	6	...
Violent Deaths, excluding Suicide	40	19	4	4	1	1	5	...
Suicide	1	1	...	...	...	...	...	...
Other Defined Diseases	274	85	38	44	19	22	16	11
Diseases Ill-defined or Unknown	23	2	8	4	1	...	...	...
All Causes	1117	328	164	142	79	77	83	31
<i>Influenza—Contributory Cause, otherwise classified above</i>	12	1	...	1	1	1	...	...
AGE AT DEATH.								
Under 1	171	35	23	23	15	11	15	...
1- 4	124	23	9	6	5	12	7	...
5- 9	32	8	1	7	2	6	1	1
10-14	28	13	7	5	3	3	3	1
15-24	61	10	8	6	5	2	5	2
25-34	71	17	8	5	3	2	5	...
35-44	84	30	9	13	9	3	4	3
45-54	112	31	23	18	6	8	13	4
55-64	158	46	26	15	8	13	14	5
65-74	164	69	29	15	13	9	8	9
75 and over	112	46	21	29	10	8	8	6
All Ages	1117	328	164	142	79	77	83	31

DEATHS IN EACH TOWN (corrected for Transfers)—June 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkealdy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	1	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	3	...	...	4	5	...	...
Scarlet Fever	1	...	...	...	...	...	...	...
Whooping-cough	2	...	...	...	1	...	1	...
Diphtheria and Croup ... ..	...	...	...	...	...	...	...	1
Influenza (<i>Sole Cause specified</i>)...	...	...	...	...	...	1	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ...	...	3	1	...	8	3	1	1
Tuberculous Meningitis	1	1	1	...	1	...	...	2
Abdominal Tuberculosis ... ..	...	...	1	...	...	...	...	...
Other Tuberculous Diseases ... ..	...	...	1	...	...	1	...	...
Cancer, Malignant Disease	1	...	4	7	4	2	...	4
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis	1	1	1	1	1	1	...	1
Organic Heart Disease	2	1	5	7	3	1	4	3
Bronchitis	4	4	1	1	2	3	3	...
Pneumonia (all forms)	2	4	1	...	4	7	2	1
Other Diseases of Respiratory Organs ...	1	...	...	...	...	1	1	...
Diarrhoea and Enteritis (under 2 years)	2	1	...	...	...	...	...	...
Appendicitis and Typhlitis ... ..	...	...	1	1	...	1	...	...
All Liver Diseases (not Malignant) ...	1	...	...	...	...	...	...	...
Other Diseases of Digestive System ...	1	1	3	...	1	...	...	2
Nephritis and Bright's Disease	1	2	...	...	1	...	...	1
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth	2	1	6	1	3	4	2	1
Violent Deaths, excluding Suicide	2	...	2	2	2	3	3	3
Suicide ... ..	...	...	...	1	...	...	...	...
Other Defined Diseases	7	7	10	11	2	8	5	13
Diseases Ill-defined or Unknown ... ..	...	3	3	...	2	1	...	2
All Causes	31	32	41	33	39	42	22	35
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	...	...	...	...	...	...
AGE AT DEATH.								
Under 1	6	5	8	3	6	13	3	1
1-4	6	3	1	...	7	7	2	6
5-9	2	...	...	...	2	...	...	1
10-14 ... ..	...	...	2	1	2	...	...	...
15-24	2	2	2	...	2	1	2	1
25-34	1	3	1	1	6	1	3	5
35-44	1	2	3	2	1	1	...	...
45-54	1	2	3	4	4	6	1	5
55-64	4	6	5	9	5	4	...	5
65-74	6	7	9	7	4	5	8	7
75 and over	2	2	7	6	...	4	3	4
All Ages	31	32	41	33	39	42	22	35

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JUNE 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	feet.	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of		Difference from Average	Absolute Maximum and Minimum.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Maximum (A).	Minimum (B.)		Mean of A and B (Mean Temperature).	Maximum								Day of Month.	Minimum.	Day of Month.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
GLASGOW, JAMES CONNELL, The Observatory.	184	29-818	30-018	61-1	48-7	54-9	-0-9	71	7th	42	26th	°	54-0	3-8	°	°	°	°										°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	

North Latitude.—Glasgow, 55° 51'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

JULY 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of July 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4191 living children, of whom 2167 were male and 2024 female. Compared with the numbers registered in the previous month, the male children are 28 fewer, and the female children 44 more, the total number being thus 16 more. Compared with the mean of the numbers for the three preceding months, the male children are 92 more, and the female children are 82 more, the total number being thus 174 more. Compared with the numbers for July 1918, the male children are 86 fewer, the female children 75 fewer, and the total children 161 fewer. The equivalent annual birth-rate is 20·4 per thousand of the estimated aggregate population of these towns. This rate is 0·6 below that for the previous month, and 0·9 below that for July 1918, but is 0·4 above the mean of the rates for the three preceding months of this year. In the individual towns this rate ranged from 28·2 in Greenock, 26·9 in Coatbridge, and 24·5 in Hamilton, to 14·9 in Perth, 16·3 in Edinburgh, and 16·9 in Kilmarnock. In Ayr it was 24·2; in Clydebank, 24·0; in Falkirk, 23·1; in Motherwell, 22·9; in Glasgow, 21·5; in Paisley, 20·1; in Aberdeen, 19·0; in Kirkcaldy, 18·5; in Dundee, 18·1; and in Leith, 17·2.

Of the 4191 children whose births were registered, 3819, or 91·1 per cent., were legitimate, and 372, or 8·9 per cent., were illegitimate. The number of legitimate children is the same as in the previous month, and 156 more than the mean of the numbers for the three preceding months, but is 119 fewer than in July 1918. The number of illegitimate children is 16 fewer than in the previous month, 18 more than the mean of the numbers for the three preceding months, and 42 fewer than in July 1918. The illegitimate rate is 0·4 below that for the previous month, 0·1 above the mean of the rates for the three preceding months, and 0·6 below that for July 1918. In the individual towns this rate ranged from 15·9 in Aberdeen, 12·2 in Edinburgh, and 11·5 in Dundee, to 1·5 in Ayr, 2·0 in Coatbridge, and 2·4 in Hamilton. In Falkirk it was 10·0; in Glasgow, 9·0; in Leith, 7·3; in Perth, 6·5; in Greenock and in Kirkcaldy, 6·3; in Paisley, 5·9; in Motherwell and in Kilmarnock, 3·7; and in Clydebank, 3·1.

Marriages registered during the month numbered 3303. They are 132 more than in the previous month, 930 more than the mean of the numbers for the three pre-

ceding months, and 877 more than in July 1918. The equivalent marriage-rate is 16·1 per thousand, being 0·1 above that for the previous month, 4·2 above the mean of the rates for the three preceding months, and 4·2 above that for July 1918. This rate is thus higher than the very high rate recorded for June, which was the highest marriage-rate recorded up to that time in any monthly return referring to those Sixteen Principal Towns. In the individual towns this rate ranged from 19·3 in Dundee, 17·8 in Edinburgh, and 17·4 in Glasgow, to 9·9 in Falkirk, and 10·0 in Kilmarnock and in Ayr. In Aberdeen it was 15·8; in Coatbridge, 15·6; in Kirkcaldy, 15·4; in Motherwell, 13·7; in Hamilton, 12·7; in Clydebank, 12·1; in Perth 12·0; in Greenock, 11·8; in Leith, 10·8; and in Paisley, 10·3.

Deaths registered in these towns during the month numbered 2250, of which 1152 were of males, and 1098 of females. These deaths include those of 270 persons with usual residence outwith the town of registration, but they do not include those of 210 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 60, falls to be deducted to get the corrected number, which is thus found to be 2190. This number is 106 less than in the previous month, 505 less than the mean of the numbers for the three preceding months, and 893 less than in July 1918.

The death-rate for the month, corrected, is 10·7 per thousand, being 0·9 below that for the previous month, 2·7 below the mean of the rates for the three preceding months, and 4·4 below that for July 1918. In the individual towns the death-rate ranged from 13·9 in Ayr, 12·4 in Paisley, and 11·6 in Kilmarnock, to 8·1 in Motherwell, 8·9 in Hamilton, and 9·3 in Falkirk. In Kirkcaldy it was 11·3; in Leith, 11·2; in Dundee, 11·1; in Edinburgh and in Aberdeen, 11·0; in Clydebank, 10·9; in Glasgow and in Perth, 10·4; in Greenock, 10·2; and in Coatbridge, 10·0.

Deaths of children of less than one year old numbered 309. This number is 29 less than that for the previous month, 109 less than the mean of the numbers for the three preceding months, and 28 less than that for July 1918. They are equal to an infantile mortality rate of 78 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 10 less than that for the previous month, 29 less than the mean of the rates for the three preceding months, and 7 less than that for July 1918. It is the lowest infantile mortality rate recorded for any month in these towns since July 1916, when the rate was 72. In the individual towns this rate ranged from 130 in Ayr, 105 in Aberdeen, and 89 in Falkirk, to 24 in Perth, 46 in Greenock, and 51 in Coatbridge. In Paisley it was 84; in Hamilton, 83; in Edinburgh, 82; in Glasgow, 81; in Dundee, 73; in Kirkcaldy, 71; in Motherwell and in Kilmarnock, 67; in Leith, 61; and in Coatbridge, 51.

Deaths from the principal epidemic diseases numbered 160, and included 3 from enteric fever, 48 from measles, 4 from scarlet fever, 53 from whooping-cough, 20 from diphtheria, and 32 from the diarrhoeas of childhood. These deaths collectively number 25 fewer than in the previous month, 119 fewer than the mean of the numbers for the three preceding months, and 44 fewer than in July 1918.

Deaths from pneumonia numbered 164, being 10 fewer than in the previous month, and 357 fewer than in July 1918. Deaths from bronchitis numbered 89, being 20 fewer than in the previous month, and 85 fewer than in July 1918.

Deaths of which influenza was the sole named cause numbered 2, while in 17 more cases it was one of two or more stated causes, the total being thus 19. In the previous month this total was 21, while in July 1918 it was 361, the latter month being what may be regarded as the starting point of the epidemic of last year.

Deaths from tuberculosis numbered 247, of which 158 were ascribed to phthisis. The former are 32 fewer than in the previous month, and 163 fewer than in July 1918. The latter are 30 fewer than in the previous month, and 117 fewer than in July 1918.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

JULY 1919.

Mean barometric pressure, 30·024 in.; greater than the average of 1881–1915 by 0·124 in.

Mean temperature, 57°·0; less by 1°·0.

Mean daily range of temperature, 16°·4; greater by 1°·9.

Rain, number of days, 7; less by 9 days.

Rain, depth in inches, 0·93; less by 2·04 in.

Wind, direction of: an 8 days' excess of winds from between N.W. and N.E.

Hence the month was characterised by a very high mean pressure; a somewhat low mean temperature, with a high mean daily range; an abnormally low mean rainfall; and a considerable excess of winds from a northerly quarter.

Anticyclonic conditions were dominant, except during the first few days, on 18th, and on 31st, and at Leith, at sea-level, readings were above 30 in. from 4th to 10th, from 13th to 16th, on 21st, and from 23rd to 30th. The extremes at that place were 30·25 in. on 29th, and 29·62 on 19th. As indicating the exceptionally stable character of pressure conditions during May to July 1919 it may be noted that in each of the three months the mean pressure (at Leith) was above 30 in., and that this has occurred only once before (in 1899) for at least 100 years.

The cold north-westerly type of weather which had characterised the latter part of June continued throughout the early days of July, and the first week was unusually cold for midsummer. Thereafter there were a few fairly warm days—more especially 10th and 25th,—but the general level of temperature was moderate, and around 14th the nights were very cold, with ground frost in some districts and a reading in screen at Balmoral as low as 29°. For the chief towns the mean was 57°·0, or 1°·0 below the normal; the days were of average temperature, and the nights 1°·9 below, and the extremes were 81° at Dundee on 10th and 38° at Aberdeen and Perth on 14th.

The rainfall was seriously deficient in all districts; conditions of drought were hardly broken except during the first few days, on night of 18th, and on 31st, when there were some fairly heavy falls in the west and south—as much as 1·27 in. at Greenock; and at many places aggregates were almost entirely accounted for on 18th and 31st. The trifling aggregate of 0·34 in. at Balmoral represented only 13 per cent. of the normal rainfall for July, Marchmont 20, Edinburgh 24, Kilmarnock 26, and Fort William, Glasgow and Dumfries 32 per cent. At Glasgow the month was the driest July since 1878, and in Berwickshire and Morayshire the driest since 1868, but in most districts actually smaller amounts were recorded in the very dry July of 1913. The cumulative rainfall for May, June and July 1919 has proved to be alarmingly low in all districts, and, *e.g.*, Gordon Castle, Aberdeen, Edinburgh and Marchmont have had less than half the normal rainfall for the three-month period. The mean for the chief towns was 0·93 in., or 31 per cent. of the normal.

Towards the end of the month the wind was at times squally.

There was a remarkable absence of thunderstorms, though thunder was reported in isolated districts on 11th, 15th and 17th, and at Fort William on 31st.

Much fog occurred in Orkney, where sunshine was deficient. Elsewhere generally amounts were rather above the normal, and at Glasgow the month was the sunniest July on record.

NOTE.—For meteorological table see p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JULY 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1042	998	2040	1857	183	1655	511	501	1012	111	88	989
EDINBURGH, . .	320,769	336,500	254	213	467	410	57	508	187	171	358	78	33	313
DUNDEE, . . .	176,085	181,800	140	139	279	247	32	298	83	90	173	9	7	171
ABERDEEN, . .	163,891	163,000	149	122	271	228	43	226	93	87	180	28	5	157
PAISLEY, . . .	84,455	89,600	81	72	153	144	9	78	52	47	99	10	5	94
LEITH,	80,601	85,100	58	66	124	115	9	78	33	23	56	0	25	81
GREENOCK, . .	75,140	79,800	98	93	191	179	12	80	32	37	69	4	4	69
PERTH,	35,854	36,300	29	17	46	43	3	37	20	19	39	7	0	32
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,095,800	1851	1720	3571	3223	348	2960	1011	975	1986	247	167	1906
COATBRIDGE, . .	43,290	44,600	56	46	102	100	2	59	22	15	37	2	3	38
MOTHERWELL . .	40,380	42,200	42	40	82	79	3	49	15	11	26	0	3	29
KIRKCALDY, . .	39,601	40,600	31	33	64	60	4	53	16	18	34	2	7	39
HAMILTON, . . .	38,644	39,900	49	34	83	81	2	43	15	13	28	3	5	30
CLYDEBANK, . .	37,548	47,600	41	56	97	94	3	49	16	15	31	1	14	44
KILMARNOCK, . .	34,728	37,600	30	24	54	52	2	32	20	20	40	8	5	37
FALKIRK, . . .	33,574	35,600	34	36	70	63	7	30	19	11	30	3	1	28
AYR,	32,986	33,000	33	35	68	67	1	28	18	20	38	4	5	39
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,416,900	2167	2024	4191	3819	372	3303	1152	1098	2250	270	210	2190

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JULY 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	21·5	9·0	17·4	10·7	10·4	0·7	1·2	0·8	1·5	158	81
EDINBURGH, . .	16·3	12·2	17·8	12·5	11·0	0·9	0·8	0·6	1·4	36	82
DUNDEE, . . .	18·1	11·5	19·3	11·2	11·1	0·8	1·6	1·0	1·6	18	73
ABERDEEN, . .	19·0	15·9	15·8	12·6	11·0	0·3	0·9	0·6	1·4	25	105
PAISLEY, . . .	20·1	5·9	10·3	13·0	12·4	0·9	1·4	0·8	1·1	12	84
LEITH,	17·2	7·3	10·8	7·7	11·2	2·1	1·1	0·7	1·7	8	61
GREENOCK, . .	28·2	6·3	11·8	10·2	10·2	0·4	1·5	1·0	1·5	8	46
PERTH,	14·9	6·5	12·0	12·7	10·4	0·0	2·3	1·6	0·3	1	24
TOTAL . . . (EIGHT TOWNS)	20·1	9·7	16·6	11·2	10·7	0·8	1·2	0·8	1·5	266	79
COATBRIDGE, . .	26·9	2·0	15·6	9·8	10·0	0·8	1·8	1·6	0·8	5	51
MOTHERWELL, . .	22·9	3·7	13·7	7·3	8·1	0·6	0·3	0·3	0·3	6	67
KIRKCALDY, . .	18·5	6·3	15·4	9·8	11·3	0·0	0·6	0·3	0·9	4	71
HAMILTON, . . .	24·5	2·4	12·7	8·3	8·9	1·2	1·5	0·3	0·6	7	83
CLYDEBANK, . .	24·0	3·1	12·1	7·7	10·9	1·7	1·5	1·0	1·7	5	52
KILMARNOCK, . .	16·9	3·7	10·0	12·5	11·6	0·9	2·5	1·6	1·6	4	67
FALKIRK, . . .	23·1	10·0	9·9	9·9	9·3	1·0	1·0	0·7	0·7	5	89
AYR,	24·2	1·5	10·0	13·5	13·9	1·1	1·4	1·4	0·4	7	130
TOTAL . . . (SIXTEEN TOWNS)	20·4	8·9	16·1	11·0	10·7	0·8	1·2	0·8	1·4	309	78

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JULY 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JULY 1919, .	20·4	8·9	16·1	10·7	3	0	48	4	53	20	32	78	57°·0
JULY 1918, .	21·3	9·5	11·9	15·1	10	0	44	9	72	27	42	85	57°·8
JULY 1917, .	20·4	8·1	10·0	12·8	2	0	121	9	141	14	42	83	59°·1
JULY 1916, .	23·7	7·1	9·7	12·2	6	0	66	26	25	20	46	72	58°·0
JULY 1915, .	23·0	6·2	13·7	14·1	4	0	229	46	62	34	78	100	57°·3
JULY 1914, .	27·5	6·2	12·7	13·2	9	0	41	21	49	15	86	91	58°·9
JULY 1913, .	26·7	6·8	13·5	13·8	3	0	109	19	62	18	81	86	58°·3
JULY 1912, .	28·0	7·4	14·2	14·2	6	0	54	14	62	24	111	105	58°·1
JULY 1911, .	25·1	8·4	13·2	14·5	6	2	43	17	73	26	91	107	60°·6
JULY 1910, .	25·7	7·6	12·2	13·0	11	0	23	19	30	28	56	88	56°·7
JULY 1909, .	27·1	7·8	12·1	13·7	6	0	31	14	57	14	44	87	57°·0

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	3	-	-	-	1	-	1	-	1	-	-	-
Typhus Fever - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	48	12	34	1	-	1	-	-	-	-	-	-
Scarlet Fever - - - - -	4	1	2	-	-	-	1	-	-	-	-	-
Whooping-cough - - - - -	53	17	34	2	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	20	-	13	5	1	1	-	-	-	-	-	-
*Influenza - - - - -	2	-	-	-	-	-	-	-	-	1	1	-
Erysipelas - - - - -	3	-	-	-	-	-	2	-	-	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	158	-	3	2	11	45	34	28	22	10	3	-
Tuberculous Meningitis - - - - -	28	7	9	6	6	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	25	2	10	5	4	2	1	-	1	-	-	-
Other Tuberculous Diseases - - - - -	36	1	4	5	4	11	4	2	2	1	2	-
Cancer, Malignant Disease - - - - -	243	-	1	-	-	4	3	18	51	68	66	32
Rheumatic Fever - - - - -	6	-	-	2	1	1	-	2	-	-	-	-
Meningitis - - - - -	21	5	10	1	-	3	2	-	-	-	-	-
Organic Heart Disease - - - - -	235	1	-	1	5	4	9	16	38	62	59	40
Bronchitis - - - - -	89	13	7	2	-	-	1	2	6	17	24	17
Pneumonia (all forms) - - - - -	164	21	25	9	3	9	11	14	12	24	23	13
Other Diseases of Respiratory Organs - - - - -	30	3	3	-	1	1	3	3	3	2	9	2
Diarrhoea and Enteritis (under 2 years) - - - - -	32	30	2	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	12	-	-	3	2	3	-	1	1	2	-	-
All Liver Diseases (not Malignant) - - - - -	10	-	-	-	-	-	-	1	1	2	4	2
Other Diseases of Digestive System - - - - -	68	8	12	2	2	3	3	7	8	7	9	7
Nephritis and Bright's Disease - - - - -	64	1	2	-	2	4	3	5	10	20	12	5
Puerperal Sepsis - - - - -	5	-	-	-	-	1	3	1	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	10	-	-	-	-	1	5	4	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	142	139	2	-	1	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	105	5	14	4	7	12	11	9	20	6	13	4
Suicide - - - - -	7	-	-	-	-	-	2	1	2	1	1	-
Other Defined Diseases - - - - -	526	40	16	4	7	10	7	30	50	82	135	145
Diseases Ill-defined or Unknown - - - - -	40	3	3	-	-	1	-	4	8	4	13	4
All Causes - - - - -	2190	309	206	54	58	118	106	148	236	310	374	271

* Sole Cause specified, vide pp. 54-55.

DEATHS IN EACH TOWN (corrected for Transfers)— July 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	2	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	1	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	18	10	8	...	1	4	...	...
Scarlet Fever	1	2	...	...	...	...	...	...
Whooping-cough	27	6	...	3	5	4	2	...
Diphtheria and Croup	6	4	3	...	...	5	...	...
Influenza (<i>Sole Cause specified</i>) ... ..	...	...	...	1	...	...	...	...
Erysipelas	1	1	...	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis	72	16	15	8	6	5	7	5
Tuberculous Meningitis	15	1	1	5	2	1	...	...
Abdominal Tuberculosis	11	2	2	...	1	1	1	1
Other Tuberculous Diseases	17	4	6	...	2	1	2	1
Cancer, Malignant Disease	110	47	13	13	16	6	8	3
Rheumatic Fever	2	2	1	...	1	...	...	...
Meningitis	11	1	...	1	2	...	1	...
Organic Heart Disease	88	37	25	20	10	11	8	7
Bronchitis	43	13	5	11	5	2	1	...
Pneumonia (all forms)	88	16	18	8	2	10	8	1
Other Diseases of Respiratory Organs	12	12	1	1	1	...	1	...
Diarrhoea and Enteritis (under 2 years)	14	3	2	1	1	2	1	...
Appendicitis and Typhlitis	5	1	1	2	...	...	1	1
All Liver Diseases (not Malignant)	3	2	1	1	1	...	...	...
Other Diseases of Digestive System	30	12	7	4	2	1	2	...
Nephritis and Bright's Disease	37	9	3	3	2	2	2	...
Puerperal Sepsis	5	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	7	...	...	1	...	...	...	...
Congenital Debility and Malformation, including Premature Birth	73	16	9	12	6	2	6	1
Violent Deaths, excluding Suicide	50	11	6	9	2	6	2	1
Suicide	4	1	1	1	...	...	...	...
Other Defined Diseases	219	79	37	47	26	17	15	11
Diseases Ill-defined or Unknown	18	5	5	4	...	1	1	...
All Causes ...	989	313	171	157	94	81	69	32
<i>Influenza—Contributory Cause, otherwise classified above</i>	6	2	1	...	...	1	2	...
AGE AT DEATH.								
Under 1	158	36	18	25	12	8	8	1
1-4	95	27	13	12	6	15	7	1
5-9	28	5	5	5	3	2	1	1
10-14	28	5	7	3	2	2	3	1
15-24	62	7	11	8	7	4	2	3
25-34	46	18	6	5	3	4	5	3
35-44	75	14	13	10	2	6	4	2
45-54	109	44	15	14	11	5	8	1
55-64	133	51	30	17	16	10	7	5
65-74	158	63	26	25	18	14	14	6
75 and over	97	43	27	33	14	11	10	8
All Ages ...	989	313	171	157	94	81	69	32

DEATHS IN EACH TOWN (corrected for Transfers)—July 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever	1	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	1	...	1	4	1	...	...
Scarlet Fever	1	...	...	...	...	...	...	...
Whooping-cough ... ..	...	1	...	2	1	1	1	...
Diphtheria and Croup ... ..	...	...	...	...	1	...	...	1
Influenza (<i>Sole Cause specified</i>)...	...	...	...	...	...	1	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ...	6	1	1	1	4	5	2	4
Tuberculous Meningitis ... ..	...	...	...	2	...	1	...	...
Abdominal Tuberculosis	1	...	...	1	2	1	1	...
Other Tuberculous Diseases ... ..	...	...	1	1	...	1	...	...
Cancer, Malignant Disease	2	5	3	...	3	4	2	8
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis	1	...	...	...	2	1	...	1
Organic Heart Disease	2	2	7	5	4	1	2	6
Bronchitis	2	...	2	...	1	2	1	1
Pneumonia (all forms)	1	1	1	2	5	2	1	...
Other Diseases of Respiratory Organs ...	...	...	...	...	1	1	...	...
Diarrhoea and Enteritis (under 2 years)	1	...	...	1	1	1	2	2
Appendicitis and Typhlitis ... ..	...	...	...	...	1	...	...	...
All Liver Diseases (not Malignant) ...	...	2	...	...	...	...	...	...
Other Diseases of Digestive System ...	3	2	2	1	1	1	...	...
Nephritis and Bright's Disease	1	4	...	...	...	...	1	...
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	1	...	...	...	1	...
Congenital Debility and Malformation, including Premature Birth	1	...	2	4	2	1	3	4
Violent Deaths, excluding Suicide ...	4	2	3	2	1	1	3	2
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	11	7	15	7	10	10	7	8
Diseases Ill-defined or Unknown ... ..	...	1	1	...	...	1	1	2
All Causes	38	29	39	30	44	37	28	39
<i>Influenza—Contributory Cause, otherwise classified above</i>	<i>1</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>1</i>	<i>2</i>	<i>...</i>	<i>1</i>
AGE AT DEATH.								
Under 1	5	6	4	7	5	4	5	7
1-4	6	2	1	2	11	3	2	3
5-9 ... ..	...	...	...	2	2	...	...	...
10-14	1	1	...	1	1	2	1	...
15-24	2	1	1	1	2	5	1	1
25-34	2	...	2	1	3	2	...	6
35-44	6	2	4	1	2	1	4	2
45-54	5	3	3	3	5	4	4	2
55-64	4	4	6	5	7	4	4	7
65-74	5	7	10	4	3	9	6	6
75 and over	2	3	8	3	3	3	1	5
All Ages	38	29	39	30	44	37	28	39

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JULY 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.											
	Mean at Station and 32°. Mean at Sea-Level and 32°.		Mean of				Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.			Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.										
			Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Temperature).	Maximum		Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.				Humidity.										
																		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
Height of Station above Sea-level.	feet.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	inch.	inch.	inch.	2	7	12	1	1	5	25	8	1		
GLASGOW, JAMES CONNELL, The Observatory.	184	29.835	30.035	65.6	49.8	57.7	-0.3	75	25th	45	13th	56.1	4.2	.337	74	6	0.98	-2.11	4	13	8	4	1	6	18	5	3
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.548	30.023	62.5	48.4	55.5	-1.4	71	9, 10	43	13, 14	54.1	3.7	.319	76	8	0.63	-1.98	0	16	0	22	0	14	0		
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.838	30.016	68.2	48.2	53.2	-0.2	81	10th	40	14th	56.3	2.1	.393	86	5	0.69	-2.05	12	6	3	5	4	1	23	4	
ABERDEEN,* The Meteorological Office.	90	29.903	30.003	62.2	48.4	55.3	-1.3	77	11th	38	14th	54.7	3.3	.388	78	7	0.99	-1.87	8	6	10	1	2	6	14	16	4
PAISLEY, The Coats Observatory.	107	29.918	30.034	67.8	49.4	58.6	-0.7	79	25th	45	13, 20, 29	57.5	4.6	.344	73	8	0.72	-2.10	2	8	20	0	0	8	20	4	0
LEITH,† JAMES BOLAM, Navigation School.	76	29.950	30.033	62.7	49.4	56.1	-2.5	73	18th	45	13, 14, 29	55.3	3.5	.342	78	7	1.60	-2.32	0	7	6	3	0	7	15	24	0
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.781	30.035	63.7	50.0	56.9	-0.7	74	25th	45	20th	56.0	4.4	.331	73	5	0.71	-2.18	6	16	2	4	4	7	9	14	0
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.992	30.016	68.6	46.7	57.7	-0.7	76	25th	38	14th	58.0	..	..	..	7	0.93	-2.04	4	10	8	3	1	8	13	14	1
Means	165	29.846	30.024	65.2	48.8	57.0	-1.0	..	..	..	..	56.0	3.7	.343	77	7	0.93	-2.04	4	10	8	3	1	8	13	14	1

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.
† At 9 A.M. only.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

SCOTLAND.

AUGUST 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of August 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4133 living children, of whom 2097 were male and 2036 female. Compared with the numbers registered in the previous month, the male children are 70 fewer, the female children 12 more, and the total number 58 fewer. Compared with the mean of the numbers for the three preceding months, the male children are 51 fewer, the female children are 22 more, and the total 29 fewer. Compared with the numbers for August 1918, the male children are 86 more, the female children 146 more, and the total 232 more. The equivalent annual birth-rate is 20·1 per thousand, which is 0·3 less than that of the previous month, and 0·4 less than the mean of the rates for the three preceding months, but is 1·0 more than that for August of last year. In the individual towns this rate ranged from 36·9 in Hamilton, 30·7 in Motherwell, and 28·0 in Coatbridge, to 11·4 in Perth, 15·1 in Dundee, and 16·8 in Edinburgh. In Ayr it was 23·5; in Greenock, 22·3; in Clydebank, 21·3; in Glasgow, 21·2; in Leith, 20·1; in Paisley, 19·7; in Kilmarnock, 19·7; in Falkirk, 19·2; in Kirkcaldy, 18·5; and in Aberdeen, 17·2.

Of the 4133 children whose births were registered, 3736, or 90·4 per cent., were legitimate, and 397, or 9·6 per cent., were illegitimate. The legitimate children of the month are 83 fewer than in the previous month, and 55 fewer than the mean of the numbers of the three preceding months, but are 217 more than in the corresponding month of last year. The illegitimate children number 25 more than in the previous month, 26 more than the mean of the numbers of the three preceding months, and 15 more than in August 1918. The illegitimate rate is 0·7 more than that of the previous month, and 0·7 more than the mean of the rates of the three preceding months, but is 0·2 less than that of August of last year. In the individual towns this rate ranged from 22·9 in Perth, 17·5 in Edinburgh, and 15·0 in Dundee, to 0·0 in Clydebank, 2·8 in Coatbridge, and 3·0 in Ayr. In Paisley it was 12·7; in Aberdeen, 10·2; in Glasgow, 8·7; in Hamilton, 8·0; in Greenock, 7·9; in Kilmarnock, 6·3; in Leith, 6·2; in Motherwell, 5·5; in Kirkcaldy, 4·7; and in Falkirk, 3·4.

Marriages registered during the month numbered 1946. They are 1357 less than in the previous month, and 694 less than the mean of the numbers for the three preceding months, but are 346 more than in the corresponding month of last year.

The equivalent annual marriage-rate is 9·5 per thousand, being 6·6 less than that of the previous month, and 3·5 less than the mean of the rates of the three preceding months, but 1·7 more than that for August of last year. In the individual towns this rate ranged from 14·0 in Perth, 13·1 in Edinburgh, and 12·1 in Aberdeen and in Ayr, to 1·5 in Clydebank, 4·0 in Coatbridge, and 4·1 in Hamilton. In Paisley it was 11·4; in Kilmarnock, 10·7; in Glasgow, 9·1; in Dundee, 9·1; in Leith, 8·3; in Kirkcaldy, 6·7; in Falkirk, 6·6; in Greenock, 6·0; and in Motherwell, 4·2.

Deaths registered in these towns during the month numbered 2079, of which 1096 were of males, and 983 of females. These deaths include those of 224 persons with usual residence outwith the town of registration, but they do not include those of 180 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 44, falls to be deducted to get the corrected number for the month, which is thus found to be 2035. This number is 155 less than in the previous month, 345 less than the mean of the numbers of the three preceding months, and 71 less than in August of last year.

The death-rate for the month, corrected, is 9·9 per thousand, being 0·8 less than that for the previous month, 1·8 less than the mean of the rates for the three preceding months, and 0·4 less than that for August 1918. In the individual towns the death-rate ranged from 12·1 in Hamilton, 11·0 in Kirkcaldy, and 10·8 in Coatbridge, to 6·6 in Falkirk, 8·2 in Kilmarnock, and 8·4 in Leith. In Edinburgh it was 10·5; in Glasgow, 10·4; in Greenock, 10·3; in Perth, 10·1; in Ayr, 9·6; in Motherwell, 9·5; in Dundee, 8·9; in Paisley, 8·8; in Clydebank, 8·7; and in Aberdeen, 8·6.

Deaths of children of less than one year old numbered 350. This number is 41 more than in the previous month, but 5 fewer than the mean of those of the three preceding months, and 3 fewer than in August of last year. They are equal to an infantile mortality rate of 88 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 10 more than that for the previous month, but 3 less than the mean of the rates for the three preceding months, and 1 less than that for August of last year. In the individual towns this rate ranged from 133 in Kilmarnock, 126 in Hamilton, and 122 in Coatbridge, to 18 in Falkirk, 21 in Clydebank, and 38 in Leith. In Ayr this rate was 111; in Glasgow, 99; in Perth, 98; in Paisley, 91; in Edinburgh, 90; in Kirkcaldy, 88; in Dundee, 73; in Motherwell 65; in Aberdeen, 63; and in Greenock, 52.

Deaths from the principal epidemic diseases numbered 187, and included 5 from enteric fever, 23 from measles, 8 from scarlet fever, 21 from whooping-cough, 26 from diphtheria, and 104 from the diarrhoeas of childhood. These deaths collectively number 27 more than in the previous month, but are 23 fewer than the mean of the numbers for the three preceding months, and 32 fewer than in August of last year.

Deaths from pneumonia numbered 110, being 54 fewer than in the previous month, and 63 fewer than in the corresponding month of last year. Deaths from bronchitis numbered 73, being 16 fewer than in the previous month, and 11 fewer than in August of last year.

Deaths of which influenza was the sole named cause numbered 3, while in 7 other cases it was one of two or more stated causes, the total being thus 10. In the previous month this total was 19, and in the corresponding month of last year it was 99.

Deaths from tuberculosis numbered 211, of which 134 were ascribed to phthisis. The former are 36 fewer than in the previous month, and 70 fewer than in August 1918. The latter are 24 fewer than in the previous month, and 44 fewer than in August 1918.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

AUGUST 1919.

Mean barometric pressure, 29·873 in.; greater than the average of 1881–1915 by 0·014 in.

Mean temperature, 57°·6; greater by 0°·3.

Mean daily range of temperature, 14°·4; greater by 0°·4.

Rain, number of days, 16; less by 2 days.

Rain, depth in inches, 2·27; less by 1·35 in.

Wind, direction of: a 9 days' excess of winds between S.W. and N.W.

Hence the month was characterised by a slightly high mean pressure; a slightly high mean temperature, with a slightly high mean daily range; a low mean rainfall; and a very large excess of winds from a westerly quarter.

During the first two weeks or so anticyclonic conditions were more or less in evidence, but thereafter a definitely cyclonic type of weather became established, with a rapid fall of the barometer on 25th–26th and very unsettled conditions during the last week of the month. The mean pressure, though slightly above the normal, was much lower than that of each of the three preceding months. At Leith, at sea-level, readings were above 30 in. from 7th to 12th, and on 14th, 15th, 17th and 24th, the extremes at that place being 30·18 in. on 11th, and 29·03 in. on 26th.

Temperature was at first moderate, but between 4th and 17th there were some very warm days—as high as 83° at Crathes on 12th—and from 11th to 13th the nights were unusually warm. The last week of the month was very cold, with a mean temperature in some districts as much as 10° below that of the week ending 16th. The coldest night was very widely that of 27th–28th (32° at Eskdalemuir), but towards the north that of 24th–25th (29° at Balmoral). For the chief towns the mean was 57°·6, or 0°·3 above the normal; the days were 0°·5 and the nights 0°·1 above their respective averages; and the extremes were 80° at Dundee on 10th and 36° at Perth on 28th.

During the first few days conditions were rather unsettled in west and north, and on 12th and 13th there were some fairly general rains. Some eastern and inland districts, however, had no rain of importance until 17th, when moderate to heavy falls were widely experienced except in north-east. On 21st Poltalloch had fully 1 in., and around that date conditions were again unsettled, whilst on 25th various places, such as Rothesay and Dundee, had more than 1 in., and on 26th some northern districts falls of great intensity,—no less than 3·85 in. at Kirkwall and 3·80 in. at Tongue. The month closed with an unstable type of weather. In Orkney aggregates were considerably more than twice the normal, and the month proved the wettest August on record for at least 80 years, though it was all but equalled in wetness in 1861. Except in northern districts aggregates were more or less below the normal, Edinburgh having only about half the normal and Braemar and Perth less than half. The mean for the chief towns was 2·27 in., or 63 per cent. of the normal.

During the latter half of the month winds were often strong and squally, reaching gale force at places on 17th and 18th, and on 26th.

A thunderstorm occurred at various points on 16th and here and there on 20th or 21st. As in July, none was experienced in Edinburgh.

Sunshine amounts were much above the normal in more southerly districts, and at Edinburgh the month was the sunniest August for at least thirty years.

NOTE.—For meteorological table see p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, August 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1030	987	2017	1842	175	866	545	471	1016	83	51	984
EDINBURGH, . . .	320,769	336,500	242	237	479	395	84	375	152	157	309	56	46	299
DUNDEE, . . .	176,085	181,800	119	114	233	198	35	140	67	73	140	12	10	138
ABERDEEN, . . .	163,891	168,000	121	124	245	220	25	173	72	68	140	22	5	123
PAISLEY, . . .	84,455	89,600	80	70	150	131	19	87	30	39	69	8	6	67
LEITH, . . .	80,601	85,100	60	85	145	136	9	60	35	14	49	4	16	61
GREENOCK, . . .	75,140	79,800	77	74	151	139	12	41	42	31	73	8	5	70
PERTH, . . .	35,854	36,300	18	17	35	27	8	43	26	14	40	10	1	31
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,095,800	1747	1708	3455	3088	367	1785	969	867	1836	203	140	1773
COATBRIDGE, . . .	43,290	44,600	69	37	106	103	3	15	24	19	43	2	0	41
MOTHERWELL . . .	40,380	42,200	56	54	110	104	6	15	14	12	26	0	8	34
KIRKCALDY . . .	39,601	40,600	31	33	64	61	3	23	17	19	36	1	3	38
HAMILTON, . . .	33,644	39,900	65	60	125	115	10	14	20	16	36	3	8	41
CLYDEBANK, . . .	37,548	47,600	44	42	86	86	0	6	13	8	21	0	14	35
KILMARNOCK, . . .	34,728	37,600	33	30	63	59	4	34	14	14	28	6	4	26
FALKIRK, . . .	33,574	35,600	22	36	58	56	2	20	12	10	22	4	2	20
AYR, . . .	32,986	33,000	30	36	66	64	2	34	13	18	31	5	1	27
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,416,900	2097	2036	4133	3736	397	1946	1096	983	2079	224	180	2035

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, August 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	21.2	8.7	9.1	10.7	10.4	1.2	1.1	0.7	1.0	195	99
EDINBURGH, . . .	16.8	17.5	13.1	10.8	10.5	0.6	1.2	0.7	0.7	40	90
DUNDEE, . . .	15.1	15.0	9.1	9.1	8.9	0.5	0.8	0.4	0.9	18	73
ABERDEEN, . . .	17.2	10.2	12.1	9.8	8.6	0.2	0.9	0.3	1.1	15	63
PAISLEY, . . .	19.7	12.7	11.4	9.1	8.8	0.8	0.8	0.7	0.7	13	91
LEITH, . . .	20.1	6.2	8.3	6.8	8.4	0.7	1.4	1.0	1.2	5	38
GREENOCK, . . .	22.3	7.9	6.0	10.8	10.3	0.9	1.5	0.7	1.0	9	52
PERTH, . . .	11.4	22.9	14.0	13.0	10.1	1.9	1.0	0.6	1.3	4	98
TOTAL . . . (EIGHT TOWNS)	19.4	10.6	10.0	10.3	10.0	0.9	1.1	0.7	1.0	299	88
COATBRIDGE, . . .	28.0	2.8	4.0	11.4	10.8	1.6	0.0	0.0	1.6	12	122
MOTHERWELL, . . .	30.7	5.5	4.2	7.3	9.5	1.1	0.6	0.3	0.6	6	65
KIRKCALDY, . . .	18.5	4.7	6.7	10.4	11.0	1.4	1.4	1.2	1.7	5	88
HAMILTON, . . .	36.9	3.0	4.1	10.6	12.1	0.3	1.5	0.9	0.9	11	126
CLYDEBANK, . . .	21.3	0.0	1.5	5.2	8.7	0.2	0.2	0.0	1.5	2	21
KILMARNOCK, . . .	19.7	6.3	10.7	8.8	8.2	0.9	0.9	0.9	0.6	8	133
FALKIRK, . . .	19.2	3.4	6.6	7.3	6.6	0.7	0.0	0.0	1.0	1	18
AYR, . . .	23.5	3.0	12.1	11.0	9.6	1.4	2.1	1.8	0.0	6	111
TOTAL . . . (SIXTEEN TOWNS)	20.1	9.6	9.5	10.1	9.9	0.9	1.0	0.7	1.0	350	88

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR AUGUST 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
AUG. 1919, .	20·1	9·6	9·5	9·9	5	0	23	8	21	26	104	88	57°·6
AUG. 1918, .	19·1	9·8	7·8	10·3	8	0	10	5	44	23	129	89	58°·5
AUG. 1917, .	18·6	8·9	7·0	11·1	0	0	38	5	57	13	161	93	58°·8
AUG. 1916, .	23·0	7·8	7·8	12·2	5	0	29	19	25	17	158	95	58°·9
AUG. 1915, .	22·1	6·8	9·3	13·0	8	0	111	53	31	27	129	94	58°·1
AUG. 1914, .	25·3	7·3	7·7	13·7	19	0	19	26	62	32	201	114	58°·6
AUG. 1913, .	24·0	6·8	6·2	13·3	4	0	65	17	42	31	215	112	58°·1
AUG. 1912, .	24·7	7·3	6·2	12·8	3	0	30	13	62	26	116	90	58°·6
AUG. 1911, .	24·9	6·9	7·1	15·1	8	2	32	7	41	18	290	157	60°·7
AUG. 1910, .	26·0	7·9	6·8	15·0	7	0	12	20	35	22	179	126	58°·1
AUG. 1909, .	26·4	7·5	6·9	13·8	11	0	22	19	42	21	113	109	58°·1

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	5	-	-	-	1	1	1	-	1	1	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	23	4	19	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	8	-	4	2	1	-	1	-	-	-	-	-
Whooping-cough - - - - -	21	7	13	1	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	26	1	17	7	-	-	1	-	-	-	-	-
Influenza - - - - -	3	-	-	-	-	-	-	-	1	-	1	1
Erysipelas - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	134	-	2	3	7	30	22	32	20	9	8	1
Tuberculous Meningitis - - - - -	31	4	14	7	3	3	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	19	3	2	4	5	1	-	-	1	1	1	-
Other Tuberculous Diseases - - - - -	27	5	3	2	3	3	-	4	3	1	2	1
Cancer, Malignant Disease - - - - -	231	1	1	2	1	-	8	14	47	73	60	24
Rheumatic Fever - - - - -	5	-	-	-	1	1	1	-	2	-	-	-
Meningitis - - - - -	27	11	11	1	3	1	-	-	-	-	-	-
Organic Heart Disease - - - - -	198	-	-	4	1	5	11	14	27	44	53	39
Bronchitis - - - - -	73	8	2	2	1	2	2	3	8	17	13	15
Pneumonia (all forms) - - - - -	110	13	23	7	4	6	7	14	8	14	6	8
Other Diseases of Respiratory Organs - - - - -	16	3	3	-	-	-	1	1	1	2	3	2
Diarrhoea and Enteritis (under 2 years) - - - - -	104	78	26	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	12	-	-	2	-	5	1	1	1	2	-	-
All Liver Diseases (not Malignant) - - - - -	10	-	-	-	-	-	3	-	1	4	1	1
Other Diseases of Digestive System - - - - -	74	12	2	5	2	2	3	6	15	12	4	11
Nephritis and Bright's Disease - - - - -	71	-	1	1	-	-	2	7	17	15	20	8
Puerperal Sepsis - - - - -	9	-	-	-	-	2	7	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	23	-	-	-	-	5	12	6	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	154	153	1	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	89	8	8	4	9	7	11	13	9	8	8	4
Suicide - - - - -	12	-	-	-	-	1	3	3	3	1	1	-
Other Defined Diseases - - - - -	458	34	15	6	5	12	10	27	46	76	113	114
Diseases Ill-defined or Unknown - - - - -	61	4	4	-	1	3	2	5	10	14	8	10
All Causes - - - - -	2035	350	171	60	48	90	110	150	221	294	302	239

* Sole Cause specified, vide pp. 62-63.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	4	...	...	...	...	...	...	1
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	8	7	4	...	...	...	3	...
Scarlet Fever	1	2	1	1	...	1	...	...
Whooping-cough	10	2	...	...	3	...	1	...
Diphtheria and Croup	12	4	1	2	...	4	...	...
Influenza (<i>Sole Cause specified</i>)	1	1	...	...	...	...	...	...
Erysipelas	1	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	68	21	6	4	5	7	5	2
Tuberculous Meningitis	17	2	4	5	...	...	1	1
Abdominal Tuberculosis	5	3	...	4	1	2	...	...
Other Tuberculous Diseases	11	8	2	...	...	1	4	...
Cancer, Malignant Disease	114	42	13	8	9	9	6	2
Rheumatic Fever	2	1	1	...	...	...	...	...
Meningitis	14	3	2	1	...	...	1	...
Organic Heart Disease	79	29	21	15	11	5	5	3
Bronchitis	32	7	6	6	2	5	3	1
Pneumonia (all forms)	54	13	8	9	2	3	3	3
Other Diseases of Respiratory Organs	9	1	...	1	1	1	1	...
Diarrhoea and Enteritis (under 2 years)	77	1	1	...	3	...	2	5
Appendicitis and Typhlitis	4	2	2	1	2	...	...	...
All Liver Diseases (not Malignant)	7	1	1	...	...	...	...	...
Other Diseases of Digestive System	40	10	7	3	2	4	...	...
Nephritis and Bright's Disease	37	7	5	5	1	1	1	...
Puerperal Sepsis	7	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	13	2	2	3	1	...	1	...
Congenital Debility and Malformation, including Premature Birth	74	26	9	9	7	3	5	1
Violent Deaths, excluding Suicide	45	11	7	7	2	1	2	3
Suicide	3	...	4	...	...	2	3	...
Other Defined Diseases	197	90	26	35	13	10	20	8
Diseases Ill-defined or Unknown	38	3	4	4	2	2	3	1
All Causes	984	299	138	123	67	61	70	31
<i>Influenza—Contributory Cause, otherwise classified above</i>	5	1	...	...	...	...	...	...
AGE AT DEATH.								
Under 1	195	40	18	15	13	5	9	4
1-4	92	16	9	10	5	3	10	4
5-9	26	9	3	3	3	5	3	1
10-14	24	5	3	4	2	3	1	1
15-24	45	10	2	10	6	3	4	3
25-34	63	15	8	7	1	...	4	1
35-44	66	18	15	7	2	11	7	2
45-54	109	31	20	9	5	8	6	4
55-64	141	51	21	19	10	9	9	2
65-74	132	58	19	19	8	3	11	4
75 and over	91	46	20	20	12	11	6	5
All Ages	984	299	138	123	67	61	70	31

DEATHS IN EACH TOWN (corrected for Transfers)—August 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	1	...
Scarlet Fever	1	...	1	...	...	...	...	...
Whooping-cough	1	1	1	...	1	1	...	...
Diphtheria and Croup ... ..	...	...	2	...	...	...	1	...
Influenza (<i>Sole Cause specified</i>)...	...	...	...	1	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	...	1	4	3	...	3	...	5
Tuberculous Meningitis ... ..	...	...	1	...	...	...	...	...
Abdominal Tuberculosis ... ..	...	1	...	1	1	...	...	1
Other Tuberculous Diseases ... ..	...	...	...	1	...	...	...	...
Cancer, Malignant Disease	2	4	5	3	7	2	1	4
Rheumatic Fever ... ..	...	...	...	...	1	...	...	...
Meningitis	3	1	1	1	...	...	...	...
Organic Heart Disease	5	5	5	3	5	2	3	2
Bronchitis	4	1	3	1	1	1	...	...
Pneumonia (all forms)	2	1	2	2	5	...	3	...
Other Diseases of Respiratory Organs ... ..	...	...	1	...	...	1	...	...
Diarrhoea and Enteritis (under 2 years)	4	3	1	1	...	2	...	4
Appendicitis and Typhlitis ... ..	...	...	...	...	1	...	...	...
All Liver Diseases (not Malignant) ... ..	...	...	...	1	...	...	...	...
Other Diseases of Digestive System	2	...	1	...	1	4	...	...
Nephritis and Bright's Disease	2	3	...	4	3	...	2	...
Puerperal Sepsis ... ..	...	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	1	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth	5	1	2	8	1	2	1	...
Violent Deaths, excluding Suicide ... ..	...	3	2	3	...	1	...	2
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	10	7	5	7	8	5	8	9
Diseases Ill-defined or Unknown ... ..	...	1	...	1	...	2	...	...
All Causes	41	34	38	41	35	26	20	27
<i>Influenza—Contributory Cause, otherwise classified above</i>	1	...	...	...	...	...	...	...
AGE AT DEATH.								
Under 1	12	6	5	11	2	8	1	6
1-4	5	2	3	3	3	2	3	1
5-9	2	...	2	...	1	...	2	...
10-14 ... ..	...	1	1	2	...	...	...	1
15-24 ... ..	...	2	2	2	...	1	...	...
25-34	1	1	4	2	2	...	...	1
35-44	4	3	4	2	3	1	1	4
45-54	4	5	4	4	5	4	2	1
55-64	3	4	3	5	10	4	2	1
65-74	5	6	7	9	4	4	4	9
75 and over	5	4	3	1	5	2	5	3
All Ages	41	34	38	41	35	26	20	27

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of AUGUST 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.															
	Height of Station above Sea-level.	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.	Humidity.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																		
				Maximum	Day of Month.	Minimum.	Day of Month.					Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.							
feet.	inch.	inch.	°	°	°	°	°	°	°	inch.	inch.	per cent.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
GLASGOW, JAMES CONNELL, The Observatory.	184	29.699	29.899	62.6	50.9	56.8	-0.3	74	9, 15	41	28th	55.4	81	352	3.1	352	81	2.77	-1.74	0	1	2	0	1	14	35	6	3		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.403	29.874	64.6	50.1	57.4	+0.7	71	9th	41	28th	55.7	80	356	3.2	356	80	1.52	-1.42	0	2	2	1	3	15	34	3	2		
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.668	29.845	67.3	50.4	58.9	+1.6	80	10th	40	28th	56.7	86	395	2.2	395	86	2.44	-0.94	0	2	0	5	0	27	1	27	0		
ABERDEEN,* The Meteorological Office.	99	29.729	29.823	64.2	49.5	56.9	+0.7	74	11, 12	37	23th	56.6	74	340	4.3	340	74	2.03	-0.71	3	0	2	5	8	9	20	12	3		
PAISLEY, The Coats Observatory.	107	29.788	29.905	65.3	50.3	57.3	-0.7	76	9th	39	23th	57.0	79	369	3.3	369	79	2.30	-1.61	0	0	1	2	3	10	27	12	7		
LEITH,† JAMES BOLAM, Navigation School.	76	29.793	29.875	65.4	51.6	58.5	+0.2	75	17th	43	25, 28	58.8	74	365	4.5	365	74	1.56	-1.71	2	0	4	0	4	18	30	4	0		
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.645	29.903	61.6	50.9	56.3	-0.9	71	9, 15	42	28th	56.3	77	351	3.7	351	77	4.06	-1.38	1	1	4	2	0	10	24	20	0		
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.823	29.852	67.4	49.2	58.3	+1.0	77	10th	36	28th	..	..	..	..	..	..	1.47	-1.90	3	0	0	0	2	24	21	12	0		
Means	165	29.695	29.873	64.8	50.4	57.6	+0.3	..	..	..	..	56.6	79	361	3.5	361	79	2.27	-1.35	1	1	2	2	2	16	24	12	2		

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

† At 9 A.M. only.

* At King's College at 7 A.M. and 6 P.M.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & Co., LTD., Thistle Street, Edinburgh.

Price Sixpence.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

SEPTEMBER 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of September 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4570 living children, of whom 2378 were male and 2192 were female. The male children of the month number 281 more than those of the previous month, and 472 more than those of September of last year. The female children number 156 more than those of the previous month, and 372 more than those of September of last year. The total children of the month number 437 more than in the previous month, 404 more than the mean of the numbers of the three preceding months, and 844 more than in September of last year. The equivalent annual birth-rate is 23·0 per thousand of the estimated aggregate population of these sixteen towns, which rate is 2·9 more than that of the previous month, 2·5 more than the mean of those of the three preceding months, and 4·2 more than that of September of last year. It is higher than the birth-rate of all months since August 1916. In the individual towns the monthly birth-rate varied from 32·9 in Hamilton, 29·7 in Coatbridge, and 29·1 in Motherwell, to 14·4 in Perth, 19·3 in Edinburgh, 21·1 in Dundee, and 21·7 in Aberdeen. In Greenock this rate was 27·3; in Clydebank, 25·6; in Kilmarnock, 25·3; in Glasgow, 23·6; in Kirkcaldy, 23·6; in Falkirk, 23·2; in Leith, 22·9; in Ayr, 22·5; and in Paisley, 22·3.

Of the 4570 children whose births were registered during the month, 4186, or 91·6 per cent., were legitimate, while 384, or 8·4 per cent., were illegitimate. The legitimate children of the month are 450 more than registered in the previous month, 406 more than the mean of the numbers registered in the three preceding months, and 797 more than registered in September of last year. The illegitimate children are 13 fewer than in the previous month, and 2 fewer than the mean of the numbers of the three preceding months, but are 47 more than in September of last year. The illegitimate rate is 1·2 less than that of the previous month, 0·9 less than the mean of those of the three preceding months, and 0·6 less than that of September of last year. In the individual towns this rate varied from 14·3 in Dundee, and 13·3 in Edinburgh, to 2·0 in Motherwell, 3·0 in Clydebank, and 3·9 in Greenock. In Falkirk this rate was 8·8; in Aberdeen, 8·7; in Glasgow, 8·4; in Ayr, 8·2; in Coatbridge, 6·4; in Kirkcaldy, 5·1; in Kilmarnock, 5·1; in Paisley, 4·9; in Perth, 4·7; in Hamilton, 4·6; and in Leith, 4·4.

Marriages registered in these towns during the month numbered 2459. This number is 513 more than that of the previous month, and 494 more than that of September of last year, but is 348 less than the mean of those of the three preceding months. The equivalent annual marriage-rate is 12·4 per thousand, being 2·9 more than that of the previous month, and 2·5 more than that of September of last year, but 1·5 less than the mean of those of the three preceding months. In the individual towns this rate varied from 16·6 in Ayr, 16·3 in Edinburgh, 14·8 in Aberdeen, and 13·0 in Glasgow, to 3·8 in Coatbridge, 5·9 in Clydebank, 7·2 in Paisley, and 7·9 in Hamilton. In Kilmarnock this rate was 12·3; in Greenock, 11·3; in Falkirk, 10·9; in Dundee, 10·4; in Perth, 10·1; in Motherwell, 9·2; in Kirkcaldy, 8·7; and in Leith, 8·0.

Deaths registered in these sixteen towns numbered 2273, 1184 being of males and 1089 of females. These deaths include those of 244 persons with usual residence outwith the town of registration, but exclude those of 187 persons with usual residence in one or other of these towns, but whose deaths were registered elsewhere in Scotland, and the difference, 57, falls to be deducted to get the corrected number for the month, which is thus found to be 2216. The corrected number is 181 more than in the previous month, and 42 more than the mean of those of the three preceding months, but is 45 less than that of September of last year.

The death-rate of the month, corrected, was 11·2 per thousand. It is 1·3 more than that of the previous month, and 0·5 more than the mean of those of the three preceding months, but is 0·2 less than that of September of last year. In the individual towns the monthly death-rate ranged from 16·5 in Greenock, 15·5 in Ayr, 13·4 in Hamilton, and 12·7 in Dundee and in Perth, to 7·2 in Paisley, 7·4 in Clydebank, 9·2 in Falkirk, and 9·8 in Coatbridge. In Leith this rate was 11·7; in Aberdeen, 11·3; in Kilmarnock, 11·3; in Edinburgh, 11·0; in Glasgow, 10·9; in Kirkcaldy, 10·5; and in Motherwell, 10·4.

Deaths of children of less than one year old numbered 443. This number is 93 more than that of the previous month, 111 more than the mean of those of the three preceding months, and 86 more than that of September of last year. These deaths equal an infantile mortality rate of 113 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 25 more than that of the previous month, 28 more than the mean of those of the three preceding months, and 21 more than that of September of last year. In the individual towns this rate varied from 150 in Kilmarnock, 143 in Greenock, 127 in Falkirk, and 126 in Aberdeen, to 50 in Paisley, 52 in Coatbridge, and 65 in Clydebank. In Kirkcaldy this rate was 123; in Glasgow, 122; in Hamilton, 115; in Motherwell, 114; in Ayr, 113; in Leith, 108; in Dundee, 106; in Perth, 98; and in Edinburgh, 95.

Deaths from the principal epidemic diseases numbered 213, and included 5 from enteric fever, 18 from measles, 11 from scarlet fever, 21 from whooping-cough, 24 from diphtheria, and 134 from the diarrhoeas of childhood. These deaths collectively number 26 more than in the previous month, 36 more than the mean of the numbers of the preceding three months, and 13 more than in September of last year.

Deaths from pneumonia numbered 152, and from bronchitis 81. The former are 42 more than in the previous month, and 3 more than the mean of the numbers of the three preceding months, but are 110 less than in September of last year. The latter are 8 more than in the previous month, but 9 less than the mean of the numbers of the three preceding months, and 30 less than that of September of last year.

The deaths of the month include one of which influenza was the only named cause, and 7 of which influenza was one of two or more named causes, the total deaths from influenza numbering 8. In August this total was 10, and in September of last year it was 116.

Deaths from tuberculous disease numbered 215, of which 132 were ascribed to phthisis. The former number is 4 more than in the previous month, but 20 less than in September of last year. The latter number is 2 less than in the previous month, and 25 less than in September of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

SEPTEMBER 1919.

Mean barometric pressure, 29·860 in.; less than the average of 1881–1915 by 0·088 in.

Mean temperature, 53°·1; less by 0°·7.

Mean daily range of temperature, 13°·6; greater by 0°·1.

Rain, number of days, 15; being the normal.

Rain, depth in inches, 2·52; less by 0·11 in.

Wind, direction of: a 5 days' excess of winds from S. and S.W.

Hence the month was characterised by a somewhat low mean pressure; a slightly low mean temperature, with a mean daily range practically equal to the normal; a mean rainfall all but equal to the normal; and an excess of southerly and south-westerly winds.

Pressure conditions were more often of an unstable than of a stable type, and were very disturbed around 18th and on some later days. The mean pressure was somewhat below the normal; for the four months May–August it had been above. At Leith, at sea-level, readings were above 30 in. from 7th to 10th, from 12th to 17th, and on 28th, the extremes at that place being 30·40 in. on 15th, and 29·17 in. on 22nd.

Generally speaking temperature was above the normal during the earlier part of the month (76° at Crathes on 10th), and below it during the second half with ground frost at times. There were some extremely rapid fluctuations; at Leith the highest reading on 10th was 71° but on 12th only 50°; and on 19th, with northerly or north-westerly winds, there was an unusually sharp fall of temperature, a maximum of 47° at Aberdeen comparing with one of 67° for the preceding day. The 28th was also very cold, with minimum readings at West Linton of 24° in screen and 18° on a thermometer exposed on the grass. For the chief towns the mean was 53°·1, or 0°·7 below the normal; the days were 0°·6 and the nights 0°·7 below their respective averages; and the extremes were 73° at Aberdeen on 10th and 28° at Perth on 28th.

Moderate to fairly heavy rains occurred widely on 1st and 4th, and in north-west on other days until 10th; and on 11th and 12th, with an easterly wind, there were considerable falls in the Lothians and some southern districts. After a brief fine spell conditions became almost continuously unsettled towards the north, with rain on every day at many places from 16th or 17th onwards,—fully 1 in. at Balmoral on 20th, at Gordon Castle on 22nd, and at Glenquoich 1·60 in. on 24th, followed by 2·65 in. on 25th. Elsewhere there were in a few districts no rains of much importance after 12th, though in many there were fairly heavy falls around 24th and on 29th. In north and north-west aggregates were in general above the normal, and at Edinburgh and in some western and southern districts there was a moderate excess. On the other hand there was very decided shortage in Forfarshire, Perthshire and in Berwickshire. The mean for the chief towns was 2·52 in., or 96 per cent. of the normal.

Winds were often strong and squally, with gales locally at times. On 19th conditions were quite wintry with snow and hail in upland districts.

A thunderstorm of some severity occurred at some points on 12th.

Sunshine amounts were in general above the normal, and at Aberdeen a sunnier September has been recorded only in 1906 and 1907.

Aurora of greater or less intensity was witnessed at Aberdeen on as many as 10 days. Displays on 19th or 20th were fairly widely observed.

NOTE.—For meteorological table see p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, SEPTEMBER 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1125	1047	2172	1990	182	1197	562	481	1043	96	53	1000
EDINBURGH, . .	320,769	336,500	281	252	533	462	71	450	170	169	339	68	34	305
DUNDEE, . . .	176,085	181,800	165	150	315	270	45	156	88	103	191	10	9	190
ABERDEEN, . .	163,891	168,000	175	125	300	274	26	204	85	90	175	27	8	156
PAISLEY, . . .	84,455	89,600	87	77	164	156	8	53	36	25	61	9	1	53
LEITH,	80,601	85,100	87	73	160	153	7	56	32	25	57	2	27	82
GREENOCK, . .	75,140	79,800	88	91	179	172	7	74	49	59	108	4	4	108
PERTH,	35,854	36,300	16	27	43	41	2	30	25	17	42	6	2	38
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,095,800	2024	1842	3866	3518	348	2220	1047	969	2016	222	138	1932
COATBRIDGE, .	43,290	44,600	59	50	109	102	7	14	17	13	30	2	8	36
MOTHERWELL .	40,380	42,200	52	49	101	99	2	32	19	12	31	1	6	36
KIRKCALDY, . .	39,601	40,600	47	32	79	75	4	29	14	17	31	0	4	35
HAMILTON, . .	38,644	39,900	54	54	108	103	5	26	24	12	36	0	8	44
CLYDEBANK, . .	37,548	47,600	53	47	100	97	3	23	7	9	16	0	13	29
KILMARNOCK, .	34,728	37,600	32	46	78	74	4	38	13	22	35	3	3	35
FALKIRK, . . .	33,574	35,600	29	39	68	62	6	32	21	10	31	7	3	27
AYR,	32,986	33,000	28	33	61	56	5	45	22	25	47	9	4	42
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,416,900	2378	2192	4570	4186	384	2459	1184	1089	2273	244	187	2216

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, SEPTEMBER 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	23·6	8·4	13·0	11·3	10·9	1·2	1·2	0·8	1·3	236	122
EDINBURGH, . .	19·3	13·3	16·3	12·3	11·0	0·8	1·0	0·7	1·0	42	95
DUNDEE, . . .	21·1	14·3	10·4	12·8	12·7	0·4	1·5	0·9	1·7	26	106
ABERDEEN, . .	21·7	8·7	14·8	12·7	11·3	0·6	0·9	0·4	1·5	30	126
PAISLEY, . . .	22·3	4·9	7·2	8·3	7·2	0·5	0·3	0·1	0·8	7	50
LEITH,	22·9	4·4	8·0	8·2	11·7	1·7	0·9	0·4	0·9	14	108
GREENOCK, . .	27·3	3·9	11·3	16·5	16·5	2·7	0·8	0·5	2·9	24	143
PERTH,	14·4	4·7	10·1	14·1	12·7	1·0	2·3	1·0	0·0	4	98
TOTAL . . . (EIGHT TOWNS)	22·4	9·0	12·9	11·7	11·2	1·1	1·1	0·7	1·3	333	115
COATBRIDGE, .	29·7	6·4	3·8	8·2	9·8	1·4	0·5	0·5	1·1	5	52
MOTHERWELL, .	29·1	2·0	9·2	8·9	10·4	1·4	0·6	0·0	1·4	10	114
KIRKCALDY, . .	23·6	5·1	8·7	9·3	10·5	0·0	0·9	0·6	1·5	7	123
HAMILTON, . .	32·9	4·6	7·9	11·0	13·4	1·8	1·8	0·9	0·9	10	115
CLYDEBANK, . .	25·6	3·0	5·9	4·1	7·4	0·5	1·0	0·5	1·3	6	65
KILMARNOCK, .	25·3	5·1	12·3	11·3	11·3	1·3	0·6	0·3	1·0	9	150
FALKIRK, . . .	23·2	8·8	10·9	10·6	9·2	1·0	1·0	0·3	1·0	7	127
AYR,	22·5	8·2	16·6	17·3	15·5	1·5	1·1	0·7	1·5	6	113
TOTAL . . . (SIXTEEN TOWNS)	23·0	8·4	12·4	11·4	11·2	1·1	1·1	0·7	1·3	443	113

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR SEPTEMBER 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
SEPT. 1919, .	23·0	8·4	12·4	11·2	5	0	18	11	21	24	134	113	53°·1
SEPT. 1918, .	18·8	9·0	9·9	11·4	8	0	11	8	32	39	102	92	49°·6
SEPT. 1917, .	17·5	9·7	7·9	11·0	1	0	13	7	61	22	108	95	55°·1
SEPT. 1916, .	21·7	7·2	7·1	13·5	10	0	25	18	21	20	256	125	53°·8
SEPT. 1915, .	22·1	7·0	9·4	13·6	11	0	50	52	17	43	193	120	54°·3
SEPT. 1914, .	25·2	7·1	10·0	16·2	13	0	8	41	62	28	383	161	54°·1
SEPT. 1913, .	24·7	6·6	9·5	16·0	12	0	51	22	27	36	321	153	54°·4
SEPT. 1912, .	24·3	7·3	8·2	12·6	5	3	4	13	32	33	79	89	51°·3
SEPT. 1911, .	23·7	7·6	8·6	15·9	8	0	13	12	40	37	265	162	54°·1
SEPT. 1910, .	24·6	7·3	7·8	14·9	8	0	7	21	36	43	184	133	54°·5
SEPT. 1909, .	25·5	7·9	7·9	14·2	11	0	11	25	24	34	100	104	51°·7

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1919.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	5	-	-	-	-	2	1	2	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	18	6	12	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	11	1	3	5	-	1	1	-	-	-	-	-
Whooping-cough - - - - -	21	9	11	1	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	24	-	12	12	-	-	-	-	-	-	-	-
*Influenza - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	4	2	-	-	-	-	-	1	-	-	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	132	-	3	3	5	34	35	22	16	12	2	-
Tuberculous Meningitis - - - - -	30	6	9	4	3	6	1	-	-	1	-	-
Abdominal Tuberculosis - - - - -	25	1	7	4	1	4	3	2	1	-	2	-
Other Tuberculous Diseases - - - - -	28	2	1	3	2	6	3	5	4	1	1	-
Cancer, Malignant Disease - - - - -	233	-	1	-	-	1	6	15	39	71	68	32
Rheumatic Fever - - - - -	6	-	-	2	1	2	1	-	-	-	-	-
Meningitis - - - - -	27	12	7	6	1	1	-	-	-	-	-	-
Organic Heart Disease - - - - -	196	1	-	2	2	17	10	20	24	35	44	41
Bronchitis - - - - -	81	10	4	-	1	-	1	3	3	16	27	16
Pneumonia (all forms) - - - - -	152	24	24	6	2	10	10	10	9	23	23	11
Other Diseases of Respiratory Organs - - - - -	27	1	7	-	-	1	1	1	6	3	5	2
Diarrhoea and Enteritis (under 2 years) - - - - -	134	112	22	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	17	-	-	2	5	3	2	1	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	23	1	-	-	-	-	-	3	3	6	7	3
Other Diseases of Digestive System - - - - -	91	12	10	7	3	6	3	8	14	12	9	7
Nephritis and Bright's Disease - - - - -	65	-	2	7	1	7	5	7	9	16	8	3
Puerperal Sepsis - - - - -	7	-	-	-	-	4	3	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	18	-	-	-	-	5	4	9	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	191	187	3	-	-	-	-	1	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	86	1	4	8	2	13	12	16	14	8	2	7
Suicide - - - - -	12	-	-	-	-	-	-	3	5	4	-	-
Other Defined Diseases - - - - -	506	47	16	5	7	9	14	25	54	69	107	153
Diseases Ill-defined or Unknown - - - - -	44	7	1	-	1	-	2	1	4	6	16	6
All Causes - - - - -	2216	443	159	77	37	132	119	156	206	284	322	281

* Sole Cause specified, vide pp. 70-71.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	2	...	...	...	...	...	...	2
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	6	5	1	...	...	3	2	...
Scarlet Fever	4	5	...	...	1	...	...	...
Whooping-cough	12	2	...	3	1	1	...	...
Diphtheria and Croup	11	3	...	1	...	6	...	...
Influenza (<i>Sole Cause specified</i>) ... ..	...	...	...	...	...	...	1	...
Erysipelas	2	2	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	71	20	13	5	1	3	3	3
Tuberculous Meningitis	11	4	2	5	1	...	1	...
Abdominal Tuberculosis	10	3	4	2	...	1	...	3
Other Tuberculous Diseases	14	2	4	...	...	2	1	1
Cancer, Malignant Disease	107	37	23	15	5	10	8	3
Rheumatic Fever	3	2	...	1	...	...	...	...
Meningitis	16	...	2	2	1	...	2	...
Organic Heart Disease	80	30	25	16	8	4	3	3
Bronchitis	41	7	5	4	2	3	7	...
Pneumonia (all forms)	67	17	17	16	4	3	10	...
Other Diseases of Respiratory Organs	13	5	4	1	...	...	2	...
Diarrhoea and Enteritis (under 2 years)	75	8	5	4	2	2	16	1
Appendicitis and Typhlitis	7	3	2	...	2	...	1	1
All Liver Diseases (not Malignant)	12	1	2	...	1	...	2	...
Other Diseases of Digestive System	42	8	8	7	1	3	8	2
Nephritis and Bright's Disease	30	10	2	5	5	2	3	...
Puerperal Sepsis	4	1	1	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	7	6	...	2	...	1	...	1
Congenital Debility and Malformation, including Premature Birth	95	26	15	12	1	7	5	2
Violent Deaths, excluding Suicide	35	10	10	6	...	7	5	1
Suicide	4	3	2	1	...	...	1	...
Other Defined Diseases	194	84	40	47	15	21	25	15
Diseases Ill-defined or Unknown	25	1	3	...	2	3	2	...
All Causes	1000	305	190	156	53	82	108	38
<i>Influenza—Contributory Cause, otherwise classified above</i>	4	2	...	...	1	...	...	...
AGE AT DEATH.								
Under 1	236	42	26	30	7	14	24	4
1- 4	79	22	9	7	2	9	14	...
5- 9	38	7	10	4	4	3	2	...
10-14	18	4	2	3	2	1	2	...
15-24	62	14	13	10	1	2	3	2
25-34	48	23	12	4	...	4	7	5
35-44	75	20	13	10	4	5	7	3
45-54	85	33	24	17	5	8	8	5
55-64	127	43	27	16	11	11	12	6
65-74	139	47	29	24	10	13	14	4
75 and over	93	50	25	31	7	12	15	9
All Ages	1000	305	190	156	53	82	108	38

DEATHS IN EACH TOWN (corrected for Transfers)—September 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	1	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	1	...	...
Scarlet Fever ... ..	...	...	...	...	...	1	...	...
Whooping-cough	1	1	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	...	1	2
Influenza (<i>Sole Cause specified</i>) ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	2	...	2	3	2	1	1	2
Tuberculous Meningitis ... ..	...	1	...	3	1	1	...	...
Abdominal Tuberculosis ... ..	...	...	...	...	1	...	...	1
Other Tuberculous Diseases ... ..	...	1	1	...	...	...	2	...
Cancer, Malignant Disease	3	6	3	4	2	1	...	6
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis	1	1	...	...	...	...	2	...
Organic Heart Disease	3	1	6	2	2	3	3	7
Bronchitis ... ..	...	4	3	1	...	1	2	1
Pneumonia (all forms)	3	1	2	2	4	2	1	3
Other Diseases of Respiratory Organs	1	...	...	...	1	...	...	...
Diarrhoea and Enteritis (under 2 years)	4	4	...	5	2	2	2	2
Appendicitis and Typhlitis ... ..	...	...	...	1	...	...	...	...
All Liver Diseases (not Malignant)	1	...	2	...	...	2	...	...
Other Diseases of Digestive System ... ..	...	3	...	4	1	1	...	3
Nephritis and Bright's Disease	1	...	1	1	1	3	...	1
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	1	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth	2	4	6	5	2	4	3	2
Violent Deaths, excluding Suicide	2	2	2	4	2	1	...	...
Suicide	1	...	...	...	...	...	...	...
Other Defined Diseases	11	4	6	8	8	8	9	11
Diseases Ill-defined or Unknown ... ..	...	3	...	...	...	3	1	1
All Causes	36	36	35	44	29	35	27	42
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	...	...	...	...	...	...
AGE AT DEATH.								
Under 1	5	10	7	10	6	9	7	6
1-4	5	2	1	4	1	2	1	1
5-9 ... ..	...	1	...	4	1	...	1	2
10-14 ... ..	...	...	...	2	...	1	1	1
15-24	3	3	3	5	4	2	2	3
25-34	2	...	5	2	4	2	...	1
35-44	3	4	...	2	3	1	3	3
45-54	2	2	2	4	2	2	3	4
55-64	5	2	4	4	4	5	...	7
65-74	6	5	6	4	2	7	2	10
75 and over	5	7	7	3	2	4	7	4
All Ages	36	36	35	44	29	35	27	42

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Mean at Station and 32°. Mean at Sea-Level and 32°.		feet.	inch.	inch.	Mean of			Difference from Average	Absolute Maximum and Minimum		Mean at 9 A.M. and 9 P.M.		Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Maximum (A).	Minimum (B.)	Maximum		Day of Month.	Minimum.	Day of Month.	Dry Bulb.				Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 48'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

† At 9 A.M. only.

* At King's College at 7 A.M. and 6 P.M.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed by J. SKINNER & CO., LTD., Thistle Street, Edinburgh.

Price 8d. net.

MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

OCTOBER 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of October 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5851 living children, of whom 2940 were male and 2911 female. The number of male children of the month is 562 more than that of the previous month, 726 more than the mean of the numbers of the three preceding months, and 762 more than that of October of last year. The number of female children is 719 more than that of the previous month, 827 more than the mean of those of the three preceding months, and 748 more than that of October of last year. The total number of children registered is 1281 more than in the previous month, 1553 more than the mean of the numbers of the three preceding months, and 1510 more than in October of last year. The equivalent annual birth-rate is 28·5 per thousand of the estimated aggregate population of these towns, a rate which is 5·5 more than that of the previous month, 7·3 more than the mean of those of the three preceding months, and 7·2 more than that of October of last year. In the individual towns this rate ranged from 39·6 in Hamilton, 37·3 in Greenock, 35·6 in Coatbridge, and 35·5 in Motherwell, to 21·4 in Perth, 22·9 in Edinburgh, and 25·1 in Paisley. In Kilmarnock this rate was 32·3; in Kirkcaldy, 31·3; in Glasgow, 29·8; in Clydebank, 29·2; in Aberdeen, 28·3; in Ayr, 27·4; in Dundee, 25·5; in Falkirk, 25·4; and in Leith, 25·3.

Of the 5851 children whose births were registered during the month, 5415, or 92·5 per cent., were legitimate, while 436, or 7·5 per cent., were illegitimate. The legitimate children number 1229 more than in the previous month, 1501 more than the mean of the numbers of the three preceding months, and 1471 more than in October of last year. The illegitimate children of the month number 52 more than in the previous month, 52 more than the mean of the numbers of the three preceding months, and 39 more than in October of last year. The illegitimate rate of the month is 0·9 less than that of the previous month, 1·5 less than the mean of those of the three preceding months, and 1·6 less than that of October of last year. In the individual towns the illegitimate rate of the month varied from 13·6 per cent. in Perth, 10·7 in Dundee, 10·4 in Edinburgh, and 9·7 in Aberdeen, to 2·7 in Leith, 3·7 in Coatbridge, 3·7 in Hamilton, and 3·9 in Kilmarnock. In Ayr this rate was

7·8; in Glasgow, 7·1; in Paisley, 6·8; in Kirkcaldy, 6·5; in Falkirk, 6·5; in Motherwell, 6·3; in Greenock, 5·5; and in Clydebank, 5·1.

Marriages registered during the month numbered 2116. They are 343 fewer than in the previous month, and 453 less than the mean of the numbers of the three preceding months, but 205 more than in October of last year. The monthly marriage-rate is 10·3 per thousand. It is 2·1 less than in the previous month, 2·4 less than the mean of those of the three preceding months, but 0·9 more than in October of last year. In the individual towns this rate varied from 13·0 in Edinburgh, 11·5 in Glasgow, and 11·0 in Ayr, to 4·6 in Falkirk, 4·7 in Motherwell, 5·1 in Paisley, and 5·5 in Leith. In Dundee this rate was 10·6; in Aberdeen, 10·3; in Greenock, 9·4; in Perth, 8·1; in Kilmarnock, 7·8; in Kirkcaldy, 6·7; in Clydebank, 6·7; in Coatbridge, 6·1; and in Hamilton, 5·6.

Deaths registered in these towns during the month numbered 2426, 1254 being of males and 1172 of females. These deaths include those of 276 persons with usual residence outwith the town of registration, but exclude those of 186 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 90, falls to be deducted to get the corrected number for the month, which is thus found to be 2336. The corrected number is 120 more than that of the previous month, and 189 more than the mean of those of the three preceding months, but is 3304 less than that of October of last year, a month when influenza was prevalent in the country.

The death-rate of the month, corrected, in the individual towns ranged from 13·0 in Edinburgh, 12·6 in Dundee and in Aberdeen, and 12·5 in Leith, to 7·7 in Hamilton, 8·1 in Motherwell, 8·4 in Clydebank, and 8·9 in Falkirk. In Greenock this rate was 12·4; in Coatbridge, 12·4; in Kilmarnock, 11·3; in Glasgow, 11·0; in Kirkcaldy, 10·4; in Paisley, 10·3; in Ayr, 9·6; and in Perth, 9·4.

Deaths of children of less than one year old numbered 385. This number is 58 less than that of the previous month, and 171 less than that of October of last year, but is 18 more than the mean of those of the three preceding months. These deaths equal an infantile mortality rate of 92 per thousand of the average number of births registered monthly during the preceding twelve months, a rate which is 21 less than that of the previous month, 1 less than the mean of those of the three preceding months, and 46 less than that of October of last year. In the individual towns this rate varied from 140 in Dundee, 132 in Aberdeen, 115 in Coatbridge, and 104 in Edinburgh, to 36 in Ayr, 43 in Hamilton, and 47 in Perth. In Leith this rate was 94; in Kilmarnock, 92; in Glasgow, 88; in Paisley, 87; in Falkirk, 86; in Kirkcaldy, 79; in Motherwell, 74; in Clydebank, 61; and in Greenock, 56.

Deaths from the principal epidemic diseases numbered 156, and included 6 from enteric fever, 18 from measles, 18 from scarlet fever, 14 from whooping-cough, 43 from diphtheria, and 57 from the diarrhoeas of childhood. These deaths collectively number 57 less than in the previous month, 31 less than the mean of the numbers of the three preceding months, and 42 less than in October of last year.

Deaths from pneumonia numbered 171, and from bronchitis 110. The former are 19 more than in the previous month, and 29 more than the mean of the numbers of the three preceding months, but 2246 less than in October of last year. The latter are 29 more than in the previous month, and the same amount more than the mean of the numbers of the three preceding months, but 274 fewer than in October of last year.

Deaths of which influenza was the sole named cause numbered only 1, but there were 13 of which influenza was named as a contributory cause, the monthly total being 14. In September this total was 8; in August, 10; and in July, 19. In October of last year it was 2001.

Deaths from all forms of tuberculous disease numbered 220, 165 of them being ascribed to phthisis. The former are 5 more than in the previous month, but are 4 less than the mean of the numbers of the three preceding months, and 129 fewer than in October of last year. The latter number is 33 more than that of the previous month, and 24 more than the mean of those of the three preceding months, but is 98 less than that of October of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

OCTOBER 1919.

Mean barometric pressure, 30·145 in. ; greater than the average of 1881–1915 by 0·297 in.

Mean temperature, 46°·8 ; less by 0°·7.

Mean daily range of temperature, 11°·1 ; less by 0°·6.

Rain, number of days, 11 ; less by 7 days.

Rain, depth in inches, 1·57 ; less by 1·73 in.

Wind, direction of : a 7 days' excess of winds from between N.E. and N.W.

Hence the month was characterised by an abnormally high mean pressure ; a slightly low mean temperature, with a slightly low mean daily range ; an abnormally low mean rainfall ; and a considerable excess of winds from a northerly quarter.

The mean pressure of the month (30·145 in.) was not only unprecedentedly high, but considerably above the highest previously recorded in October during the last sixty years (30 in. in 1908). There was a rapid recovery from a rather low level at the beginning of the month, and at Leith, at sea-level, pressure was above 30 in. from 3rd to 11th, from 16th to 22nd, and from 24th to 31st, the extremes at that place being 30·61 in. on 7th and 29·37 in. on 13th. Conditions were very unsettled around 12th, and on 23rd a long shallow "V-shaped depression" extended from the coast of Norway to the south-west of Ireland.

Rather warm days were experienced from 5th to 8th, especially towards north-east (73° at Gordon Castle on 5th), and low, or rather low, temperatures during the next ten days or so were followed by a brief return of mild conditions. The last week of the month was everywhere cold, with easterly to north-easterly winds. Lowest readings occurred generally around 14th or on 28th, but at Braemar (20°) on night of 6th–7th. Ground frost was frequent, perhaps more especially in southern districts. For the chief towns the mean was 46°·8, or 0°·7 below the normal ; the days were 1°·0 and the nights 0°·4 below their respective averages ; and the extremes were 66° at Dundee on 5th, and 29° at Perth on 14th and 29th.

There was some rain on 1st, but thereafter none of much importance until around 12th except in north-eastern districts, where conditions were unsettled from 9th to 15th. After a rainless spell rather heavy rains were general on 22nd and in many places on 23rd also, followed by a return of dry weather in west and south. In eastern and northern districts, on the other hand, the last few days were decidedly wet. Aggregates were above the normal in the Moray Firth area, and approached it at points along the fringe of the east coast and in the Border Counties. In general, however, there was a large to abnormally large deficiency ; considerable areas had only one-third or less of the normal ; and Crieff and Paisley hardly one-fifth. In South Ayrshire the month was the driest October for at least forty years, and in the Glasgow area a drier October has been experienced during the last sixty years only in 1880. Nearly everywhere there were many rainless days, and at many places more than two-thirds of the month's aggregate was accounted for on 22nd and 23rd. The mean of the chief towns was 1·57 in., or 48 per cent. of the normal.

During the last few days the weather was squally along the east coast, with a thunderstorm of local severity in Aberdeenshire on 26th.

The distribution of sunshine varied greatly, Glasgow (99 hours) having a large excess, and Edinburgh (77 hours) a decided deficiency.

A brilliant auroral display was widely observed throughout our Islands on night of 1st–2nd, and minor displays at Aberdeen on as many as seven other days.

NOTE.—For meteorological table see p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, OCTOBER 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1445	1382	2827	2627	200	1083	581	500	1081	96	62	1047
EDINBURGH, . .	320,769	336,500	341	314	655	587	68	371	205	217	422	92	42	372
DUNDEE, . . .	176,085	181,800	200	193	393	351	42	163	91	104	195	10	9	194
ABERDEEN, . .	163,891	163,000	203	201	404	365	39	147	96	103	199	25	6	180
PAISLEY, . . .	84,455	89,600	95	96	191	178	13	39	47	40	87	11	2	78
LEITH,	80,601	85,100	84	99	183	178	5	40	30	27	57	3	36	90
GREENOCK, . .	75,140	79,800	124	129	253	239	14	64	39	46	85	4	3	84
PERTH,	35,854	36,300	36	30	66	57	9	25	12	22	34	6	1	29
TOTAL (EIGHT TOWNS)	1,945,282	2,095,800	2528	2444	4972	4582	390	1937	1101	1059	2160	247	161	2074
COATBRIDGE, . .	43,290	44,600	62	73	135	130	5	23	31	18	49	4	2	47
MOTHERWELL . .	40,330	42,200	52	75	127	119	8	17	17	11	28	2	3	29
KIRKCALDY . . .	39,601	40,600	57	51	108	101	7	23	15	21	36	2	2	36
HAMILTON, . . .	33,644	39,900	63	71	134	129	5	19	16	9	25	1	2	26
CLYDEBANK, . .	37,548	47,600	62	56	118	112	6	27	13	12	25	1	10	34
KILMARNOCK, . .	34,728	37,600	48	55	103	99	4	25	22	17	39	7	4	36
FALKIRK,	33,574	35,600	33	44	77	72	5	14	23	8	31	5	1	27
AYR,	32,986	33,000	35	42	77	71	6	31	16	17	33	7	1	27
TOTAL (SIXTEEN TOWNS)	2,246,033	2,416,900	2940	2911	5851	5415	436	2116	1254	1172	2426	276	186	2336

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, OCTOBER 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	29·8	7·1	11·5	11·4	11·0	0·7	1·1	0·8	1·6	180	88
EDINBURGH, . .	22·9	10·4	13·0	14·8	13·0	1·0	1·2	1·0	1·9	49	104
DUNDEE, . . .	25·5	10·7	10·6	12·6	12·6	0·9	0·8	0·6	1·4	37	140
ABERDEEN, . .	28·3	9·7	10·3	13·9	12·6	0·7	0·9	0·7	1·2	34	132
PAISLEY, . . .	25·1	6·8	5·1	11·4	10·3	0·4	0·9	0·8	1·7	13	87
LEITH,	25·3	2·7	5·5	7·9	12·5	1·4	1·4	1·2	0·8	13	94
GREENOCK, . .	37·3	5·5	9·4	12·5	12·4	0·9	1·2	0·7	1·9	10	56
PERTH,	21·4	13·6	8·1	11·0	9·4	0·6	1·3	0·6	1·0	2	47
TOTAL (EIGHT TOWNS)	27·9	7·8	10·9	12·1	11·7	0·8	1·1	0·8	1·6	338	95
COATBRIDGE, . .	35·6	3·7	6·1	12·9	12·4	1·8	0·5	0·3	2·1	12	115
MOTHERWELL, . .	35·5	6·3	4·7	7·8	8·1	1·4	1·1	0·6	0·8	7	74
KIRKCALDY, . .	31·3	6·5	6·7	10·4	10·4	0·3	1·2	0·6	0·9	5	79
HAMILTON, . . .	39·6	3·7	5·6	7·4	7·7	0·6	0·9	0·6	1·2	4	43
CLYDEBANK, . .	29·2	5·1	6·7	6·2	8·4	0·2	1·0	1·0	1·2	6	61
KILMARNOCK, . .	32·3	3·9	7·8	12·2	11·3	0·3	0·9	0·9	1·9	6	92
FALKIRK,	25·4	6·5	4·6	10·2	8·9	0·0	0·7	0·7	1·3	5	86
AYR,	27·4	7·8	11·0	11·8	9·6	0·7	0·7	0·4	0·7	2	36
TOTAL (SIXTEEN TOWNS)	28·5	7·5	10·3	11·8	11·4	0·8	1·1	0·8	1·6	385	92

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR OCTOBER 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
OCT. 1919, .	28·5	7·5	10·3	11·4	6	0	18	18	14	43	57	92	46°·8
OCT. 1918, .	21·3	9·1	9·4	27·6	5	0	8	12	63	48	62	138	48°·0
OCT. 1917, .	19·6	8·6	7·5	11·9	6	0	31	11	52	38	90	99	43°·9
OCT. 1916, .	22·9	8·4	7·0	13·6	14	0	49	26	13	33	155	113	47°·9
OCT. 1915, .	21·9	6·5	8·1	15·3	10	0	67	74	12	47	172	140	46°·9
OCT. 1914, .	26·8	7·1	6·9	14·9	22	0	7	63	45	75	171	123	49°·3
OCT. 1913, .	26·5	6·9	7·2	14·4	14	0	63	47	17	53	151	117	50°·3
OCT. 1912, .	27·2	6·3	7·3	14·6	5	5	3	21	38	48	79	110	46°·6
OCT. 1911, .	24·6	8·2	7·7	16·2	5	0	36	32	21	41	109	132	46°·0
OCT. 1910, .	25·0	7·6	7·3	14·5	9	0	5	21	29	57	104	115	50°·1
OCT. 1909, .	25·2	6·9	6·2	13·4	8	0	25	24	13	41	63	97	48°·1

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1919.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	6	-	-	-	1	2	-	1	1	1	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	18	4	13	1	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	18	-	8	5	-	3	2	-	-	-	-	-	
Whooping-cough - - - - -	14	3	11	-	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	43	2	22	15	2	1	1	-	-	-	-	-	
Influenza - - - - -	1	-	1	-	-	-	-	-	-	-	-	-	
Erysipelas - - - - -	9	3	-	-	-	2	1	-	-	-	2	1	
Phthisis, Pulmonary Tuberculosis - - - - -	165	1	5	4	2	35	37	24	35	16	5	1	
Tuberculous Meningitis - - - - -	17	7	3	6	1	-	-	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	15	2	3	3	-	2	2	-	2	1	-	-	
Other Tuberculous Diseases - - - - -	23	3	3	-	3	7	2	1	1	1	2	-	
Cancer, Malignant Disease - - - - -	228	-	-	-	-	2	4	18	48	77	51	28	
Rheumatic Fever - - - - -	3	-	-	-	-	-	-	-	2	-	1	-	
Meningitis - - - - -	19	6	3	3	-	5	-	-	1	1	-	-	
Organic Heart Disease - - - - -	201	-	-	1	1	17	13	15	19	52	45	38	
Bronchitis - - - - -	110	9	4	-	1	1	1	2	11	33	29	19	
Pneumonia (all forms) - - - - -	171	15	29	8	2	7	15	14	20	19	28	14	
Other Diseases of Respiratory Organs - - - - -	38	6	5	3	-	2	2	1	5	6	6	2	
Diarrhoea and Enteritis (under 2 years) - - - - -	57	44	13	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	18	-	3	5	3	4	1	1	-	1	-	-	
All Liver Diseases (not Malignant) - - - - -	15	-	-	-	-	1	-	3	3	1	5	2	
Other Diseases of Digestive System - - - - -	87	12	11	6	2	1	5	8	9	16	11	6	
Nephritis and Bright's Disease - - - - -	63	1	2	1	1	5	2	3	6	19	13	10	
Puerperal Sepsis - - - - -	10	-	-	-	-	-	5	4	1	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	23	-	-	-	-	8	13	2	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	204	202	1	-	-	-	1	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	115	8	10	8	5	17	12	15	14	12	11	3	
Suicide - - - - -	11	-	-	-	-	-	3	5	1	-	1	1	
Other Defined Diseases - - - - -	593	50	17	2	9	10	12	33	56	94	137	173	
Diseases Ill-defined or Unknown - - - - -	41	7	6	1	-	-	3	3	1	8	6	6	
All Causes - - - - -	2336	385	173	72	33	132	137	153	236	358	353	304	

* Sole Cause specified, vide pp. 78-79.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	2	...	...	2	...	...	...	2
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	6	5	4	...	...	2	...	...
Scarlet Fever	4	8	3	...	...	1	...	...
Whooping-cough	2	3	...	4	...	3	...	...
Diphtheria and Croup	21	9	1	3	...	2	...	...
Influenza (<i>Sole Cause specified</i>) ... ..	...	1	...	...	...	...	...	...
Erysipelas	6	2	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	79	28	9	10	6	9	5	2
Tuberculous Meningitis	7	1	1	2	...	1	...	1
Abdominal Tuberculosis	9	1	...	...	1	...	1	...
Other Tuberculous Diseases	12	4	3	1	...	...	2	1
Cancer, Malignant Disease	106	32	14	19	10	11	12	4
Rheumatic Fever	1	1	...	...	...	...	...	...
Meningitis	15	...	...	...	...	...	4	...
Organic Heart Disease	77	42	20	15	8	6	9	5
Bronchitis	60	15	4	6	6	3	4	...
Pneumonia (all forms)	81	31	12	11	5	2	8	1
Other Diseases of Respiratory Organs	15	8	6	...	2	1	1	2
Diarrhoea and Enteritis (under 2 years)	29	3	6	1	3	2	6	...
Appendicitis and Typhlitis	9	2	...	...	2	...	3	...
All Liver Diseases (not Malignant)	6	3	1	2	1	...	...	...
Other Diseases of Digestive System	48	11	7	3	4	2	1	1
Nephritis and Bright's Disease	30	8	4	5	2	4	1	...
Puerperal Sepsis	5	1	1	1	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	14	2	2	2	1	...	...	...
Congenital Debility and Malformation, including Premature Birth	83	31	23	26	5	9	3	...
Violent Deaths, excluding Suicide	47	19	9	8	3	6	2	1
Suicide	4	1	2	...	1	2	...	1
Other Defined Diseases	250	95	57	58	18	23	19	8
Diseases Ill-defined or Unknown	19	5	5	1	...	...	3	...
All Causes	1047	372	194	180	78	90	84	29
<i>Influenza—Contributory Cause, otherwise classified above</i>	3	3	...	1	1	...	...	...
AGE AT DEATH.								
Under 1	180	49	37	34	13	13	10	2
1- 4	82	22	10	14	3	8	12	...
5- 9	31	12	6	3	1	4	4	...
10-14	15	4	1	1	1	4	...	...
15-24	64	23	7	10	4	3	6	1
25-34	70	24	14	4	5	5	3	1
35-44	70	22	13	10	6	10	5	2
45-54	107	30	22	15	10	6	13	4
55-64	172	50	29	18	11	17	8	7
65-74	144	64	31	37	14	13	11	7
75 and over	112	72	24	34	10	7	12	5
All Ages	1047	372	194	180	78	90	84	29

DEATHS IN EACH TOWN (corrected for Transfers)—October 1919—*continued*.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	1	...	...	...
Scarlet Fever	1	...	...	1	...	...	...	...
Whooping-cough ... ..	...	1	...	...	...	1	...	...
Diphtheria and Croup	1	2	1	1	...	...	...	2
Influenza (<i>Sole Cause specified</i>) ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	1	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	1	2	2	2	4	3	2	1
Tuberculous Meningitis ... ..	...	1	1	1	...	...	...	1
Abdominal Tuberculosis	1	1	1	...	...	...	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	...	...	...	...
Cancer, Malignant Disease	2	3	5	...	2	4	2	2
Rheumatic Fever ... ..	...	1	...	...	...	...	...	...
Meningitis ... ..	...	...	...	...	...	...	...	...
Organic Heart Disease	3	...	5	3	2	2	3	1
Bronchitis	2	1	2	1	1	2	2	1
Pneumonia (all forms)	4	2	...	3	4	4	2	1
Other Diseases of Respiratory Organs	2	...	1	...	...	...	...	...
Diarrhoea and Enteritis (under 2 years)	5	2	...	...	...	...	...	...
Appendicitis and Typhlitis ... ..	...	...	...	1	...	...	...	1
All Liver Diseases (not Malignant) ... ..	...	...	...	...	1	...	...	1
Other Diseases of Digestive System	2	1	...	...	1	3	2	1
Nephritis and Bright's Disease ... ..	...	1	4	1	2	1	...	...
Puerperal Sepsis	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	1	...	...	1	...
Congenital Debility and Malformation, including Premature Birth	5	3	2	2	4	3	4	1
Violent Deaths, excluding Suicide	5	1	2	...	5	3	...	4
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	11	6	10	6	7	9	7	9
Diseases Ill-defined or Unknown	1	...	...	3	...	1	2	1
All Causes	47	29	36	26	34	36	27	27
<i>Influenza—Contributory Cause, otherwise classified above</i>	2	...	...	1	1	1	...	...
AGE AT DEATH.								
Under 1	12	7	5	4	6	6	5	2
1-4	4	4	...	3	2	3	1	5
5-9	5	1	2	2	...	...	...	1
10-14 ... ..	...	1	2	...	1	...	...	3
15-24	1	2	1	3	4	2	1	...
25-34 ... ..	...	2	2	1	3	1	1	1
35-44	4	1	2	1	1	3	3	...
45-54	6	2	5	1	6	3	3	3
55-64	8	4	8	4	7	6	7	2
65-74	2	4	3	5	2	6	5	5
75 and over	5	1	6	2	2	6	1	5
All Ages	47	29	36	26	34	36	27	27

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of OCTOBER 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.													
	Height of Station above Sea-level.	feet.	inch.	inch.	Mean of			Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.									
					Maximum (A).	Minimum (B.)	Day of Month.		Maximum	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.				Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, JAMES CONNELL, The Observatory.	184	29.964	30.167	51.9	42.2	47.1	-0.3	62	6th	•	34	14, 16, 28	46.7	2.7	•	257	81	1.01	-2.39	9	5	0	3	18	9	8	2	
EDINBURGH, Professor R. A. CAMPSON, F.R.S., Royal Observatory.	441	29.660	30.147	51.5	41.6	46.6	-0.8	65	5th	•	33	28th	46.1	2.9	•	247	79	2.37	-0.21	6	1	3	8	9	14	10	2	
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.939	30.121	52.0	39.2	45.6	-1.1	66	5th	•	31	25th	44.4	1.6	•	257	88	1.62	-1.04	3	1	1	0	24	1	20	0	
ABERDEEN,* The Meteorological Office.	90	29.952	30.114	51.8	40.9	46.4	-0.9	64	5th	•	35	13, 16, 29	45.4	1.5	•	269	89	2.98	-0.02	8	3	1	0	11	9	8	22	0
PAISLEY, The Coats Observatory.	107	30.655	30.175	53.8	41.2	47.5	-0.9	64	6, 8	•	30	16th	48.0	2.9	•	265	80	0.68	-3.06	6	8	2	2	8	10	9	11	6
LEITH,† JAMES BOLAM, Navigation School.	76	30.061	30.145	52.1	42.8	47.5	-1.0	64	5th	•	36	15, 16	47.9	2.5	•	273	83	1.98	-0.71	12	8	4	0	2	10	20	4	2
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.898	30.156	51.9	43.3	47.6	+0.1	61	6th	•	35	15, 28	47.1	2.8	•	259	80	1.19	-4.19	1	11	2	4	0	14	13	17	0
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	30.110	30.134	53.3	38.5	45.9	-0.5	64	5, 8	•	29	14, 29	•	•	•	•	•	0.70	-2.25	28	2	0	1	2	9	9	11	0
Means	165	29.955	30.145	52.3	41.2	46.2	-0.7	•	•	•	•	•	46.5	2.4	•	261	83	1.57	-1.73	9	8	2	1	4	13	10	13	2

North Latitude.—Glasgow, 56° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

* At King's College at 7 A.M. and 6 P.M.

† At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

NOVEMBER 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of November 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5477 living children, of whom 2768 were male and 2709 were female. The number of male children is 172 less than in the previous month, but 889 more than in November of last year. The number of female children is 202 less than in the previous month, but 803 more than in November of last year. The total children of the month are 374 fewer than in the previous month, but their number is 626 more than the mean of those of the three preceding months, and 1692 more than that of November of last year. The equivalent annual birth-rate is 27·6 per thousand of the estimated aggregate population of these towns. It is 0·9 less than that of the previous month, but is 3·7 more than the mean of the rates of the three preceding months, and 8·5 more than that of November of last year. In the individual towns the monthly birth-rate ranged from 36·3 in Hamilton, 33·4 in Greenock, 31·7 in Coatbridge, and 31·2 in Motherwell, to 22·1 in Perth, 23·2 in Ayr, and 24·2 in Edinburgh. In Clydebank this rate was 30·7; in Falkirk, 29·0; in Aberdeen, 28·3; in Dundee, 28·0; in Kilmarnock, 27·9; in Paisley, 27·7; in Glasgow, 27·6; in Leith, 27·3; and in Kirkcaldy, 26·3.

Of the 5477 children whose births were registered during the month, 5068, or 92·5 per cent., were legitimate, while 409, or 7·5 per cent., were illegitimate. The legitimate children of the month number 347 less than in the previous month, 623 more than the mean of the numbers of the three preceding months, and 1631 more than in November of last year. The illegitimate children of the month number 27 less than in the previous month, but 3 more than the mean of the numbers of the three preceding months, and 61 more than in November of last year. The illegitimate rate of the month is the same as in the previous month, but is 1·0 less than the mean of those of the three preceding months, and 1·7 less than that of November of last year. In the individual towns the illegitimate rate varied from 12·0 per cent. in Aberdeen, 9·3 in Motherwell, 9·0 in Edinburgh, and 8·4 in Dundee, to 3·3 in Clydebank, and 3·4 in Paisley. In Perth this rate was 7·6; in

Glasgow, 7·5; in Coatbridge, 6·9; in Ayr, 6·3; in Greenock, 5·9; in Hamilton, 5·9; in Kilmarnock, 4·7; in Falkirk, 4·7; in Kirkcaldy, 4·5; and in Leith, 4·2.

Marriages registered in these towns during the month numbered 1865. This number is 251 less than that of the previous month, and 309 less than the mean of those of the preceding three months, but is 395 more than that of November of last year. The monthly marriage-rate was 9·4 per thousand, which is 0·9 less than that of the previous month, and 1·3 less than the mean of those of the three preceding months, but is 2·0 more than that of November of last year. In the individual towns this rate varied from 12·3 in Aberdeen, 10·9 in Edinburgh, 9·9 in Glasgow and in Falkirk, to 3·8 in Clydebank, 4·9 in Hamilton, and 5·2 in Motherwell. In Perth this rate was 8·7; in Greenock, 8·5; in Dundee, 8·4; in Ayr, 8·1; in Kilmarnock, 7·8; in Leith, 7·6; in Paisley, 7·5; in Coatbridge, 6·3; and in Kirkcaldy, 6·3.

Deaths registered in these towns numbered 2875, 1457 being of males and 1418 of females. These deaths include those of 245 persons with usual residence outwith the town of registration, but exclude those of 172 residents dying elsewhere in Scotland, and the difference, 73, falls to be deducted to get the corrected number, which is thus found to be 2802. The corrected number is 466 more than that of October, and 606 more than the mean of the numbers of the three preceding months, but is 2108 less than the number in November of last year, a month when influenza was prevalent.

The monthly death-rate, corrected, was 14·1. It is 2·7 more than that of the previous month, and 3·3 more than the mean of those of the three preceding months, but is 10·7 less than that of November of last year. In the individual towns the monthly death-rate, corrected, varied from 16·9 in Greenock, 16·0 in Leith, and 15·9 in Dundee, to 9·8 in Motherwell, 10·1 in Hamilton, and 10·5 in Clydebank. In Glasgow this rate was 14·4; in Kirkcaldy, 14·4; in Aberdeen, 14·3; in Perth, 14·1; in Paisley, 13·9; in Ayr, 13·6; in Coatbridge, 13·4; in Edinburgh, 13·2; in Falkirk, 12·3; and in Kilmarnock, 12·0.

Deaths of children of less than one year old numbered 479. This number equals an infantile mortality rate of 114 per thousand of the monthly average number of births registered in the preceding twelve months. These deaths are 94 more than in the previous month, and 86 more than the mean of the numbers of the three preceding months, but are 61 less than in November of last year. This rate is 22 more than that of the previous month, 16 more than the mean of those of the three preceding months, but 24 less than that of November of last year. In the individual towns this rate varied from 187 in Dundee, 148 in Aberdeen, 138 in Leith, and 134 in Clydebank, to 53 in Hamilton, 62 in Kilmarnock, and 73 in Paisley. In Greenock it was 124; in Glasgow, 114; in Falkirk, 103; in Edinburgh, 97; in Perth, 93; in Ayr, 91; in Coatbridge, 88; in Kirkcaldy, 78; and in Motherwell, 74.

Deaths due to the principal epidemic diseases numbered 191, and included 4 from enteric fever, 62 from measles, 24 from scarlet fever, 11 from whooping-cough, 40 from diphtheria, and 50 from the diarrhoeas of childhood. These deaths collectively number 35 more than in the previous month, and 34 more than in November of last year.

Deaths from pneumonia numbered 244, and those from bronchitis numbered 259. The former are 73 more than in the previous month, but 1550 less than in November of last year. The latter are 149 more than in the previous month, but 172 less than in November of last year.

Deaths of which influenza was the sole named cause numbered 6, and those of which influenza was one of two or more named causes, 17, the monthly total being 23. In the previous month this total was 14, and in November of last year it was 1602.

Deaths from all forms of tuberculous disease numbered 228, 168 of them being ascribed to phthisis. The former are 8 more than in the previous month, but 142 fewer than in November of last year. The latter are 3 more than in the previous month, but 119 fewer than in November of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

NOVEMBER 1919.

Mean barometric pressure, 29·752 in. ; less than the average of 1881–1915 by 0·069 in.

Mean temperature, 36°·2 ; less by 6°·1.

Mean daily range of temperature, 8°·9 ; less by 0°·9.

Rain, number of days, 22 ; greater by 5 days.

Rain, depth in inches, 4·84 ; greater by 1·48 in.

Wind, direction of : a 6 days' excess of winds from between N.W. and N.E.

Hence the month was characterised by a rather low mean pressure ; an abnormally low mean temperature, with a slightly low mean daily range ; a very high mean rainfall ; and a large excess of northerly winds.

Conditions during the greater part of the month were dominated by a high-pressure system over the Icelandic region, with various primary or secondary depressions crossing our Islands. The mean pressure was rather below the normal, and nearly 0·4 in. below the very high mean for October. At Leith, at sea-level, pressure was above 30 in. from 1st to 3rd, on 10th, and from 14th to 16th, the extremes at that place being 30·55 in. on 1st, and 29·11 in. on 25th.

Except for brief spells of mild weather from 17th to 19th and around 23rd, the weather was of a very wintry character, with cold of quite abnormal intensity between 11th and 16th. The month indeed was decidedly colder than an average January, and judged by its mean temperature it was the coldest November experienced in Scotland during the last fifty years,—approached only by November 1915 and November 1910. Some remarkably low minimum readings occurred on night of 13th–14th, when Braemar recorded 10° below zero F., Perth 7° below, Balmoral and West Linton 6° below, and Kettins 3° below. The previous “record” for November was 0° (in 1904 and 1912), and a reading as low or lower than – 10°F. has been recorded in Scotland at any time in winter during the last fifty years only in January 1881, in February 1892, in February 1895, and in January 1910. For the chief towns the mean was 36°·2, or 6°·1 below the normal ; the days were 6°·6 and the nights 5°·7 below their respective averages ; and the extremes were 56° at Perth on 23rd, and – 7°, also at Perth, on 14th.

With winds largely from an easterly or north-easterly quarter, the precipitation for the month threw eastern districts and the west and south of Scotland into striking contrast. In west aggregates generally either differed little from the normal or were slightly deficient, and in south-west and south there was a decided shortage. In east, on the other hand, and for some distance inland, there was a decided excess which was very pronounced towards the south-east. Thus the Forth area had more than twice the normal, and in Berwickshire so heavy a November “rainfall” has not been experienced since 1888. In east rain or snow fell on every day from 1st to 12th, with an aggregate of fully 2 in. at Crathes for 7th and 8th ; during the two brief mild spells there were some heavy rains, fully 1 in. at Fort William on 17th and at Glasgow on 18th, and 1·75 in. at Kirkcaldy on 23rd ; and on 30th there were fairly heavy falls towards north-west. The mean for the chief towns was 4·84 in., or 144 per cent. of the normal.

After moderate snowfalls in various districts from 8th to 11th, a severe snow-storm became general on 12th, with further falls in some districts on 13th. The storm appears to have been most severe in north-east and east, with a level fall of snow at Balmoral of 17 in., and at Edinburgh of 6–8 in. In general the snow quickly disappeared with the rains of 17th, but at *e.g.* Balmoral there was snow on the ground continuously from 8th to 30th. There were some further falls of snow around 20th and towards the end of the month.

Wind force was high on 9th and 23rd, and between 14th and 16th dense fog occurred in the Clyde area and elsewhere.

Between 18th and 20th there were thunderstorms in some widely scattered districts, with very heavy hail in Mull on 19th.

Sunshine was slightly above the normal, except towards south-east.

Aurora was observed at Aberdeen on 16th, and in Orkney on 16th, 17th, 20th and 21st.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, NOVEMBER 1919.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.				
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1274	1260	2534	2345	189	911	715	656	1371	101	50	1320
EDINBURGH, . .	320,769	336,500	343	326	669	609	60	301	197	208	405	72	31	364
DUNDEE, . . .	176,085	181,800	199	219	418	383	35	125	128	115	243	7	2	238
ABERDEEN, . .	163,891	163,000	203	188	391	344	47	170	104	90	194	15	19	198
PAISLEY, . . .	84,455	89,600	107	97	204	197	7	55	46	60	106	8	4	102
LEITH,	80,601	85,100	102	89	191	183	8	53	47	43	90	3	25	112
GREENOCK, . .	75,140	79,800	105	114	219	206	13	56	53	60	113	6	4	111
PERTH,	35,854	36,300	34	32	66	61	5	26	15	32	47	7	2	42
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,095,800	2367	2325	4692	4328	364	1697	1305	1264	2569	219	137	2487
COATBRIDGE, . .	43,290	44,600	57	59	116	103	8	23	23	25	48	2	3	49
MOTHERWELL . .	40,380	42,200	59	49	108	98	10	18	13	17	30	..	4	34
KIRKCALDY . . .	39,601	40,600	46	42	88	84	4	21	19	28	47	2	3	48
HAMILTON, . . .	38,644	39,900	59	60	119	112	7	16	17	12	29	..	4	33
CLYDEBANK, . .	37,548	47,600	58	62	120	116	4	15	15	14	29	1	13	41
KILMARNOCK, . .	34,728	37,600	46	40	86	82	4	24	21	18	39	7	5	37
FALKIRK, . . .	33,574	35,600	40	45	85	81	4	29	23	15	38	5	3	36
AYR,	32,986	33,000	36	27	63	59	4	22	21	25	46	9	..	37
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,416,900	2768	2709	5477	5068	409	1865	1457	1418	2875	245	172	2802

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, NOVEMBER 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	27·6	7·5	9·9	14·9	14·4	0·9	1·2	0·9	3·3	233	114
EDINBURGH, . .	24·2	9·0	10·9	14·6	13·2	0·8	0·9	0·7	1·8	46	97
DUNDEE, . . .	28·0	8·4	8·4	16·3	15·9	2·0	1·1	0·9	1·6	51	187
ABERDEEN, . .	28·3	12·0	12·3	14·0	14·3	1·0	1·1	0·9	1·7	39	148
PAISLEY, . . .	27·7	3·4	7·5	14·4	13·9	0·7	1·1	0·5	4·2	11	73
LEITH,	27·3	4·2	7·6	12·9	16·0	0·7	1·7	1·0	2·1	19	138
GREENOCK, . .	33·4	5·9	8·5	17·2	16·9	1·5	0·8	0·5	3·2	22	124
PERTH,	22·1	7·6	8·7	15·8	14·1	0·7	1·3	0·7	2·3	4	93
TOTAL . . . (EIGHT TOWNS)	27·2	7·8	9·9	14·9	14·4	1·0	1·2	0·8	2·8	425	119
COATBRIDGE, . .	31·7	6·9	6·3	13·1	13·4	1·1	1·6	1·4	4·6	9	88
MOTHERWELL, . .	31·2	9·3	5·2	8·7	9·8	..	0·9	0·6	2·0	7	74
KIRKCALDY, . .	26·3	4·5	6·3	14·1	14·4	0·9	0·3	0·3	2·1	5	78
HAMILTON, . . .	36·3	5·9	4·9	8·8	10·1	0·3	1·2	1·2	3·7	5	53
CLYDEBANK, . .	30·7	3·3	3·8	7·4	10·5	0·5	0·8	0·8	3·1	13	134
KILMARNOCK, . .	27·9	4·7	7·8	12·6	12·0	0·3	1·0	0·6	1·6	4	62
FALKIRK, . . .	29·0	4·7	9·9	13·0	12·3	0·3	1·7	1·0	1·7	6	103
AYR,	23·2	6·3	8·1	16·9	13·6	1·8	1·5	0·7	0·4	5	91
TOTAL . . . (SIXTEEN TOWNS)	27·6	7·5	9·4	14·5	14·1	1·0	1·1	0·8	2·7	479	114

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR NOVEMBER 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
NOV. 1919, .	27·6	7·5	9·4	14·1	4	0	62	24	11	40	50	114	36°·2
NOV. 1918, .	19·1	9·2	7·4	24·8	3	0	4	13	52	51	34	138	40°·5
NOV. 1917, .	18·2	9·1	6·5	12·1	0	0	46	11	30	45	39	103	45°·2
NOV. 1916, .	21·2	7·3	6·5	14·4	10	0	58	16	18	26	73	107	44°·5
NOV. 1915, .	21·3	6·7	11·6	20·0	8	0	66	57	14	55	78	142	36°·7
NOV. 1914, .	25·0	7·9	7·7	16·8	14	0	16	75	71	62	79	125	43°·1
NOV. 1913, .	22·6	7·1	6·8	15·0	6	0	116	36	19	46	74	123	45°·3
NOV. 1912, .	24·6	6·3	6·1	16·5	15	4	12	16	44	34	50	152	42°·4
NOV. 1911, .	23·9	7·5	6·5	17·0	6	0	100	18	25	46	55	152	41°·5
NOV. 1910, .	24·9	7·7	6·3	17·2	11	0	7	28	44	54	67	115	36°·7
NOV. 1909, .	25·4	8·0	7·0	21·9	9	0	157	33	45	43	46	165	39°·0

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1919.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	4	-	-	-	-	2	1	1	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	62	18	42	2	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	24	2	9	9	4	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	11	4	6	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	40	2	20	14	1	-	2	1	-	-	-	-	-
Influenza - - - - -	6	1	-	-	-	-	-	1	1	1	-	2	-
Erysipelas - - - - -	7	1	-	-	-	-	-	1	2	2	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	168	-	2	1	7	34	39	38	29	11	6	1	-
Tuberculous Meningitis - - - - -	27	6	13	2	-	3	1	-	2	-	-	-	-
Abdominal Tuberculosis - - - - -	17	3	8	-	3	-	2	-	-	-	1	-	-
Other Tuberculous Diseases - - - - -	16	1	1	-	1	2	1	4	3	2	1	-	-
Cancer, Malignant Disease - - - - -	225	1	1	1	-	1	4	14	51	76	53	23	-
Rheumatic Fever - - - - -	3	-	-	-	1	-	2	-	-	-	-	-	-
Meningitis - - - - -	29	10	5	3	2	3	2	1	2	1	-	-	-
Organic Heart Disease - - - - -	285	1	1	1	5	11	15	21	42	56	77	55	-
Bronchitis - - - - -	259	27	7	3	-	2	5	10	24	48	65	68	-
Pneumonia (all forms) - - - - -	244	32	29	6	2	18	15	24	31	45	25	17	-
Other Diseases of Respiratory Organs - - - - -	39	4	3	-	-	-	3	3	7	5	1	13	-
Diarrhoea and Enteritis (under 2 years) - - - - -	50	44	6	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	22	-	-	4	3	6	1	2	4	2	-	-	-
All Liver Diseases (not Malignant) - - - - -	8	-	-	-	-	-	-	-	5	3	-	-	-
Other Diseases of Digestive System - - - - -	77	9	6	4	1	5	2	6	14	10	9	11	-
Nephritis and Bright's Disease - - - - -	77	-	1	3	-	4	6	9	14	17	16	7	-
Puerperal Sepsis - - - - -	13	-	-	-	-	2	8	3	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	33	-	-	-	-	8	14	11	-	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	241	238	3	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	100	5	14	6	6	10	8	18	8	9	10	6	-
Suicide - - - - -	15	-	-	-	-	-	4	1	4	1	4	1	-
Other Defined Diseases - - - - -	637	60	4	5	9	18	19	35	62	112	126	187	-
Diseases Ill-defined or Unknown - - - - -	63	10	2	-	1	-	1	2	16	13	14	3	1
All Causes - - - - -	2802	479	183	65	46	129	155	206	321	414	409	394	1

* Sole Cause specified, vide pp. 86-87.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever	1	...	3	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	27	3	20	1	...	1	5	...
Scarlet Fever	11	5	...	2	...	...	3	...
Whooping-cough	2	...	1	5	1	...	1	...
Diphtheria and Croup	13	12	1	3	1	4	1	...
Influenza (<i>Sole Cause specified</i>)	4	2	...	...	...	...	...	...
Erysipelas	6	...	...	...	...	1	...	...
Phthisis, Pulmonary Tuberculosis	87	18	13	12	4	7	3	2
Tuberculous Meningitis	9	5	...	1	...	4	2	1
Abdominal Tuberculosis	11	1	1	...	3	...	...	1
Other Tuberculous Diseases	5	2	3	2	1	1	...	...
Cancer, Malignant Disease	96	30	24	23	8	6	10	7
Rheumatic Fever	1	...	...	...	...	1	...	...
Meningitis	11	...	7	3	1	...	1	...
Organic Heart Disease	113	58	14	21	13	15	9	5
Bronchitis	151	32	9	5	19	5	7	2
Pneumonia (all forms)	140	11	11	16	11	10	11	3
Other Diseases of Respiratory Organs	15	6	4	2	1	...	3	2
Diarrhoea and Enteritis (under 2 years)	33	1	5	3	3	...	...	2
Appendicitis and Typhlitis	12	2	...	1	1	...	2	...
All Liver Diseases (not Malignant)	2	...	...	2	...	3	...	...
Other Diseases of Digestive System	38	8	5	7	3	3	1	1
Nephritis and Bright's Disease	43	9	6	4	2	2	1	2
Puerperal Sepsis	7	1	1	...	...	1	...	1
Other Diseases and Accidents of Pregnancy and Parturition	15	8	...	2	...	1	2	1
Congenital Debility and Malformation, including Premature Birth	105	28	26	22	7	9	13	2
Violent Deaths, excluding Suicide	51	15	11	6	1	4	3	1
Suicide	2	4	4	...	...	1	1	...
Other Defined Diseases	274	100	63	52	21	31	28	9
Diseases Ill-defined or Unknown	35	3	6	3	1	2	4	...
All Causes	1320	364	238	198	102	112	111	42
<i>Influenza—Contributory Cause, otherwise classified above</i>	6	2	1	1	1	2	2	...
AGE AT DEATH.								
Under 1	233	46	51	39	11	19	22	4
1- 4	84	16	17	12	8	11	10	2
5- 9	30	11	1	6	2	1	3	1
10-14	25	4	2	5	3	...	1	1
15-24	55	18	10	8	4	3	6	3
25-34	71	15	11	8	6	15	9	1
35-44	110	24	14	7	7	5	5	4
45-54	158	40	26	18	14	14	14	3
55-64	219	44	39	23	18	12	18	...
65-74	180	80	30	29	17	17	10	10
75 and over	155	66	37	43	12	15	13	13
All Ages	1320	364	238	198	102	112	111	42

DEATHS IN EACH TOWN (corrected for Transfers)—November 1919—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	3	...	1	1	...	...	...	...
Scarlet Fever ... ..	...	...	1	...	...	...	...	2
Whooping-cough ... ..	...	...	...	...	1	...	...	...
Diphtheria and Croup ... ..	...	...	1	...	...	1	1	2
Influenza (<i>Sole Cause specified</i>) ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis	5	2	1	4	3	2	3	2
Tuberculous Meningitis	1	1	...	...	...	...	1	2
Abdominal Tuberculosis ... ..	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	...	1	1	...
Cancer, Malignant Disease	2	1	3	3	4	5	2	1
Rheumatic Fever	1	...	...	...	...	...	...	...
Meningitis	1	1	1	...	...	1	1	1
Organic Heart Disease	2	1	12	3	2	4	9	4
Bronchitis	7	3	3	6	4	4	2	...
Pneumonia (all forms)	9	3	3	5	7	1	2	1
Other Diseases of Respiratory Organs	1	1	1	1	1	...	1	...
Diarrhoea and Enteritis (under 2 years)	1	...	...	...	1	...	...	1
Appendicitis and Typhlitis	1	1	1	1	...	...	...	...
All Liver Diseases (not Malignant) ... ..	...	...	...	...	...	...	...	1
Other Diseases of Digestive System	1	1	...	...	3	3	1	2
Nephritis and Bright's Disease	1	1	...	...	1	2	1	2
Puerperal Sepsis ... ..	...	1	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	1	1	...	1	...	1	...
Congenital Debility and Malformation, including Premature Birth	4	4	3	1	6	4	4	3
Violent Deaths, excluding Suicide	1	2	1	...	1	...	2	1
Suicide ... ..	...	1	1	...	...	...	...	1
Other Defined Diseases	7	8	12	7	5	8	3	9
Diseases Ill-defined or Unknown	1	1	1	1	1	1	1	2
All Causes	49	34	48	33	41	37	36	37
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	1	...	...	...	1	...	...
AGE AT DEATH.								
Under 1	9	7	5	5	13	4	6	5
1-4	5	2	4	2	1	2	2	5
5-9	2	2	2	...	1	...	1	2
10-14 ... ..	...	...	1	3	...	...	...	1
15-24	5	4	2	1	3	...	6	1
25-34	6	3	...	...	4	2	2	2
35-44	4	1	4	4	3	6	4	4
45-54	3	3	4	5	4	7	4	4
55-64	8	3	6	3	7	4	5	5
65-74	5	5	6	5	2	8	2	3
75 and over	2	4	14	5	2	4	4	5
Not stated ... ..	...	...	...	...	1	...	..	...
All Ages	49	34	48	33	41	37	36	37

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of NOVEMBER 1919.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.														
	Mean at Station and 32°. Mean at Sea-Level and 32°.		Mean of	Mean of A and B (Mean Temperature).			Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.		Number of Days.	Total Fall. Difference from Average.		Number of Observations at 9 A.M. and 9 P.M.												
				Maximum (A).	Minimum (B.)	Maximum	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.				Vapour Pressure.	Humidity.	inch.	per cent.	Calm or Variable.								
																			N	NE	E	SE	S	SW	W	NW	
GLASGOW, JAMES CONNELL, The Observatory.	184	29.548	29.757	40.4	32.2	36.3	-6.3	54	23rd	12	16th	36.0	1.6	.182	86	21	3.98	+0.34	14	20	5	1	2	3	3	3	3
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.252	29.741	40.3	32.7	36.5	-5.7	55	23, 24	18	14th	36.3	1.4	.188	88	25	4.99	+2.83	9	9	6	2	3	8	8	7	7
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.547	29.733	39.3	30.3	34.8	-6.5	50	22, 23	12	14th	34.5	0.9	.182	91	23	4.77	+2.33	0	15	0	5	0	14	1	25	0
ABERDEEN,* The Meteorological Office.	90	29.631	29.734	40.5	31.9	36.2	-5.9	54	23rd	13	14, 15,	35.9	1.0	.194	92	22	4.53	+1.58	6	1	2	2	3	12	9	17	2
PAISLEY, The Coats Observatory.	107	29.646	29.768	41.8	31.1	36.5	-6.5	55	23rd	10	16th	36.4	1.5	.187	87	19	4.47	+0.29	4	11	4	0	2	6	3	4	21
LEITH,† JAMES BOLAM, Navigation School.	76	29.674	29.761	40.5	33.7	37.1	-6.2	55	22, 23	14	14th	37.0	1.2	.196	89	23	5.25	+3.01	8	4	14	2	2	9	13	4	0
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.506	29.770	41.5	33.8	37.7	-5.0	52	22, 23	19	14, 15	36.5	1.6	.186	86	20	4.94	-1.48	2	9	12	9	0	7	10	7	4
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.729	29.754	40.6	27.5	34.1	-7.0	56	23rd	-7	14th	..	..	..	..	20	5.82	+2.94	23	11	1	0	0	9	10	6	0
Means	165	29.567	29.752	40.6	31.7	36.2	-6.1	..	..	..	..	36.1	1.3	.188	88	22	4.84	+1.48	8	10	6	3	2	8	9	9	5
North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 29'; Mean, 56° 11'. West Longitude.—Glasgow, 4° 13'; Edinburgh, 8° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 8° 25'; Mean, 3° 32'.																											

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 8° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

MONTHLY RETURN
OF THE
BIRTHS, DEATHS, AND MARRIAGES
IN SIXTEEN OF THE PRINCIPAL TOWNS OF
SCOTLAND.

DECEMBER 1919.

Published by Authority of the Registrar-General.

REPORT.

During the month of December 1919 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 6492 living children, of whom 3306 were male and 3186 were female. The number of male children registered is 538 more than in the previous month, 611 more than the mean of the numbers of the three preceding months, and 1355 more than in December of 1918. The female children of the month are 477 more than those of the previous month, 582 more than the mean of the numbers of the three preceding months, and 1318 more than those of December 1918. The total number of children registered is 1015 more than that of the previous month, 1193 more than the mean of those of the three preceding months, and 2673 more than that of December 1918; it is the largest number of children registered in these sixteen towns in any month since January 1912, at which date these sixteen towns were first dealt with collectively in these reports. During war-time the monthly number of births in these towns fell as low as 3214; this happened in February 1919, and compared with it the number of this month is fully 100 per cent. more. The equivalent annual birth-rate is 31·6 per thousand of the estimated aggregate population of these towns. This rate is 4·0 more than that of the previous month, 5·2 more than the mean of those of the three preceding months, and 12·9 more than that of December 1918. It, like the number of births, is higher than in all months since January 1912. In the towns taken individually the monthly birth-rate varied from 39·4 in Greenock, 37·8 in Coatbridge, 36·3 in Hamilton and in Ayr, and 35·7 in Motherwell, to 26·3 in Edinburgh, 27·1 in Falkirk, and 27·3 in Perth. In Aberdeen this rate was 33·9; in Kirkcaldy, 33·3; in Kilmarnock, 32·0; in Glasgow, 31·9; in Clydebank, 31·7; in Leith, 31·5; in Paisley, 31·4; and in Dundee, 31·2.

Of the 6492 children whose births were registered during the year, 6016, or 92·7 per cent., were legitimate, while 476, or 7·3 per cent., were illegitimate. The illegitimate children of the month are 67 more than those of the previous month, 66 more than the mean of the numbers of the three preceding months, and 100 more than in December 1918. The illegitimate rate is 0·2 less than that of the previous month, 0·5 less than the mean of those of the three preceding months, and 2·5 less

than that of December 1918. In the towns taken individually the illegitimate rate of the month varied from 18·2 per cent. in Aberdeen, 9·8 in Falkirk, 9·5 in Perth, and 9·3 in Edinburgh, to 3·1 in Clydebank, 3·7 in Greenock, and 3·9 in Motherwell. In Dundee this rate was 8·3 per cent.; in Hamilton, 7·3; in Kilmarnock, 6·9; in Glasgow, 6·1; in Kirkcaldy, 5·2; in Paisley, 5·0; in Coatbridge and in Ayr, 4·9; and in Leith, 4·8.

Marriages registered numbered 2828. This number is 963 more than in the previous month, 681 more than the mean of the numbers of the three preceding months, and 699 more than in December 1918. The equivalent annual marriage-rate is 13·8 per thousand. It is 4·4 more than that of the previous month, 3·1 more than the mean of those of the three preceding months, and 3·4 more than that of December 1918. In the individual towns the monthly marriage-rate varied from 20·0 in Aberdeen, 16·5 in Perth, and 15·9 in Edinburgh and in Leith, to 6·7 in Motherwell, 7·6 in Falkirk, and 8·6 in Hamilton. In Dundee this rate was 14·4; in Ayr, 14·3; in Clydebank, 14·1; in Glasgow, 13·3; in Kilmarnock, 11·9; in Greenock, 11·1; in Coatbridge, 10·8; in Kirkcaldy, 10·1; and in Paisley, 10·0.

Deaths registered in these towns numbered 3165, 1582 being of males and 1583 of females. These deaths include those of 283 persons with usual residence outwith the town of registration, but exclude those of 169 persons, who, though dying elsewhere in Scotland, had usual residence in one or other of them, and to obtain the corrected number the difference, 114, falls to be deducted. The corrected number, 3051, is 249 more than that of the previous month, and 600 more than the mean of those of the three preceding months, but is 431 less than that of December 1918.

The equivalent annual death-rate, corrected, is 14·9 per thousand. It is 0·8 more than that of the previous month, and 2·7 more than the mean of those of the three preceding months, but is 2·1 less than that of December 1918. In the individual towns the monthly death-rate, corrected, varied from 18·9 in Greenock, 18·5 in Perth, and 18·2 in Coatbridge, to 11·6 in Kilmarnock, 12·4 in Hamilton, 12·7 in Paisley, 12·8 in Motherwell, and 12·9 in Clydebank. In Dundee this rate was 16·6; in Aberdeen, 16·1; in Glasgow, 14·7; in Edinburgh, 14·6; in Ayr, 14·6; in Kirkcaldy, 13·9; in Leith, 13·6; and in Falkirk, 13·2.

Deaths of children of less than one year old numbered 555. This number is 76 more than that of the previous month, 119 more than the mean of those of the three preceding months, and 28 more than that of December 1918. These deaths equal an infantile mortality rate of 122 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 8 more than that of the previous month, and 16 more than the mean of those of the three preceding months, but is 7 less than that of December 1918. In the individual towns this rate varied from 180 in Perth, 164 in Dundee, 164 in Ayr, and 163 in Aberdeen, to 81 in Falkirk, 85 in Kilmarnock, 102 in Coatbridge, 108 in Glasgow, and 111 in Edinburgh. In Leith this rate was 158; in Hamilton, 152; in Greenock, 135; in Paisley, 133; in Motherwell, 129; in Kirkcaldy, 129; and in Clydebank, 117.

Deaths due to the principal epidemic diseases numbered 198, and included 3 from enteric fever, 60 from measles, 19 from scarlet fever, 20 from whooping-cough, 47 from diphtheria, and 49 from the diarrhoeas of childhood. These deaths collectively are 7 more than in the previous month, 11 more than the mean of the numbers of the three preceding months, and 45 more than in December 1918.

Deaths from pneumonia numbered 332, and those from bronchitis 257. The former are 88 more than in the previous month, but 429 fewer than in December 1918. The latter are 2 fewer than in the previous month, and 113 fewer than in December 1918.

Deaths of which influenza was the sole named cause numbered 7, and those of which influenza was one of two or more named causes, 18, the monthly total being 25. In the previous month this total was 23, and in December 1918 it was 492.

Deaths from all forms of tuberculous disease numbered 242, of which 157 were ascribed to phthisis. The former number is 14 more than that of the previous month, but is 70 less than that of December 1918. The latter number is 11 less than that of the previous month, and 51 less than that of December 1918.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

DECEMBER 1919.

Mean barometric pressure, 29·567 in.; less than the average of 1881–1915 by 0·175 in.

Mean temperature, 38°·9; being the normal.

Mean daily range of temperature, 8°·0; less by 1°·0.

Rain, number of days, 24; greater by 5 days.

Rain, depth in inches, 5·37; greater by 1·55 in.

Wind, direction of: a 4 days' excess of winds from between S.E. and S.W.

Hence the month was characterised by a decidedly low mean pressure; a mean temperature equal to the normal, with a slightly low mean daily range; a high mean rainfall; and an excess of southerly winds.

Conditions were almost continuously of a disturbed type, with an Icelandic "low" in control and various disturbances crossing our Islands, and on nights of 18th and 26th there were unusually large fluctuations of pressure. The mean of 29·567 in. was lower than in any month since September 1918. At Leith, at sea-level, pressure was above 30 in. only on 8th, 9th and 20th, the extremes at that place being 30·20 in. on the evening of 8th, and 29·02 in. on morning of 27th.

There was a good deal of mild weather, especially during the third week, and the only cold of much importance was experienced with shifts of the wind from the prevailing southerly direction to some northerly point around 10th, 25th and 30th. Highest readings occurred very generally on 19th or 20th, but here and there early in the month, and lowest on night of 25th–26th (11° at Braemar). For the chief towns the mean was 38°·9, or exactly the normal; the days were 0°·5 below, and the nights 0°·5 above their respective averages; and the extremes were 51° at Aberdeen and Perth on 19th, and 17° at Perth on 26th. It is noteworthy that the mean for the month was above that for November 1919 by as much as 2°·5, and that only on two other occasions during the last sixty years has December been milder than November (in 1862 and 1915).

Except in the West Highlands and at points around the Moray Firth, the month's precipitation was much above the normal, and at some places in west, south-west and south the excess was very large. At Rothesay the aggregate of 11·10 in. was more than twice the normal, and apparently the greatest rainfall registered at that place in any month for at least 120 years; in South Ayrshire only in 1911 was December a wetter month; and at Gatehouse the aggregate of 9·70 in. has been approached in December only in 1876 and 1911. The number of wet days was large, and there was much rain from 1st to 5th, and from 9th to 15th, with some heavy falls on 10th,—as much as 2·63 in. at Leadhills. Later, heavy falls were general on 26th and 28th, and again on night of 30th–31st, when fully one-third of the month's aggregate at Edinburgh was accounted for in about 12 hours by a downpour of rain and sleet. During the latter half of the month, however, the weather in eastern districts was often fair to fine. The mean for the chief towns was 5·37 in., or 141 per cent. of the normal.

There was much stormy weather, with gales more especially on 13th, on 18th–19th, and on 26th. In Shetland there was a severe gale continuously for three days from the evening of 26th, with very heavy seas. About 10th, from 21st–26th, and on night of 30th–31st there was a good deal of snow and sleet in some districts.

Thunder or thunderstorms were rather frequent in the west,—at Rothesay on 4th, 6th, 18th and 19th, and at Glasgow on 4th and 21st,—with hail on several occasions.

Fog occurred at times, but sunshine aggregates were fully equal to the normal.

Aurora was observed here and there on 7th; at Baltasound (Shetland) on 18th, 21st, and 22nd; and in Orkney on 12th, 14th, 18th, 21st, 22nd, 23rd and 25th.

NOTE.—For meteorological table see p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, DECEMBER 1919.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1919.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,118,700	1574	1460	3034	2848	186	1263	718	731	1449	110	53	1392
EDINBURGH, . .	320,769	336,500	376	375	751	681	70	454	226	238	464	81	34	417
DUNDEE, . . .	176,085	181,800	256	226	482	442	40	222	131	131	262	11	6	257
ABERDEEN, . .	163,891	163,000	225	259	484	396	88	285	90	139	229	16	17	230
PAISLEY, . . .	84,455	89,600	119	120	239	227	12	76	52	55	107	12	2	97
LEITH,	80,601	85,100	112	116	228	217	11	115	54	33	87	4	15	98
GREENOCK, . .	75,140	79,800	130	137	267	257	10	75	72	63	135	8	1	128
PERTH,	35,854	36,300	49	35	84	76	8	51	35	33	68	13	2	57
TOTAL (EIGHT TOWNS)	1,945,282	2,095,800	2341	2728	5569	5144	425	2541	1378	1423	2801	255	130	2676
COATBRIDGE, . .	43,290	44,600	87	76	143	136	7	41	34	32	66	4	7	69
MOTHERWELL . .	40,380	42,200	75	53	128	123	5	24	25	19	44	1	3	46
KIRKCALDY . . .	39,601	40,600	52	63	115	109	6	35	28	15	43	2	7	48
HAMILTON, . . .	33,644	39,900	62	61	123	114	9	29	20	17	37	..	5	42
CLYDEBANK, . .	37,548	47,600	64	64	128	124	4	57	21	22	43	..	9	52
KILMARNOCK, . .	34,728	37,600	56	46	102	95	7	38	27	14	41	7	3	37
FALKIRK, . . .	33,574	35,600	44	38	82	74	8	23	25	17	42	5	3	40
AYR,	32,986	33,000	45	57	102	97	5	40	24	24	48	9	2	41
TOTAL (SIXTEEN TOWNS)	2,246,033	2,416,900	3306	3186	6492	6016	476	2828	1582	1583	3165	283	169	3051

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, DECEMBER 1919.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	31·9	6·1	13·3	15·3	14·7	0·7	1·4	1·0	3·8	239	108
EDINBURGH, . .	26·3	9·3	15·9	16·2	14·6	0·9	1·0	0·5	2·2	57	111
DUNDEE, . . .	31·2	8·3	14·4	17·0	16·6	1·1	0·8	0·7	3·4	49	164
ABERDEEN, . .	33·9	13·2	20·0	16·0	16·1	1·5	1·6	1·0	2·0	48	163
PAISLEY, . . .	31·4	5·0	10·0	14·1	12·7	0·8	0·7	0·4	3·7	22	133
LEITH,	31·5	4·8	15·9	12·0	13·6	0·6	1·1	0·6	1·9	24	158
GREENOCK, . .	39·4	3·7	11·1	19·9	18·9	2·7	0·6	0·4	4·7	26	135
PERTH,	27·3	9·5	16·5	22·1	18·5	1·0	1·6	1·3	3·6	9	180
TOTAL (EIGHT TOWNS)	31·3	7·6	14·3	15·7	15·0	0·9	1·2	0·8	3·3	474	122
COATBRIDGE, . .	37·8	4·9	10·8	17·4	12·2	2·9	0·5	0·3	3·7	11	102
MOTHERWELL, . .	35·7	3·9	6·7	12·3	12·8	0·3	1·7	0·3	1·1	13	129
KIRKCALDY, . .	33·3	5·2	10·1	12·5	13·9	1·2	0·3	0·0	1·2	9	129
HAMILTON, . . .	36·3	7·3	8·6	10·9	12·4	1·2	0·0	0·0	3·0	15	152
CLYDEBANK, . .	31·7	3·1	14·1	10·6	12·9	1·0	0·7	0·5	2·0	12	117
KILMARNOCK, . .	32·0	6·9	11·9	12·9	11·6	0·3	1·6	0·6	2·2	6	85
FALKIRK, . . .	27·1	9·8	7·6	13·9	13·2	1·7	1·0	0·3	1·7	5	81
AYR,	36·3	4·9	14·3	17·1	14·6	0·7	1·4	0·7	1·1	10	164
TOTAL (SIXTEEN TOWNS)	31·6	7·3	13·8	15·4	14·9	1·0	1·2	0·8	3·1	555	122

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR DECEMBER 1919, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
DEC. 1919, .	31·6	7·3	13·8	14·9	3	0	60	19	20	47	49	122	33°·9
DEC. 1918, .	18·7	9·8	10·4	17·0	3	0	3	9	55	40	32	129	41°·1
DEC. 1917, .	17·5	9·2	9·4	14·0	7	0	64	8	54	50	45	124	37°·0
DEC. 1916, .	20·6	8·5	9·0	17·1	5	0	51	14	34	25	54	122	37°·7
DEC. 1915, .	22·7	6·9	11·0	19·2	3	0	106	73	17	65	56	126	38°·0
DEC. 1914, .	25·4	7·0	9·9	18·7	11	0	19	71	156	66	60	147	37°·9
DEC. 1913, .	27·0	6·9	10·4	17·9	6	0	184	45	26	62	56	157	39°·3
DEC. 1912, .	26·1	7·8	11·5	19·7	5	2	20	22	108	33	57	166	41°·3
DEC. 1911, .	23·3	8·0	9·8	17·1	10	0	133	15	41	41	32	133	41°·5
DEC. 1910, .	25·3	7·8	9·0	17·2	7	0	5	27	43	57	37	125	42°·3
DEC. 1909, .	25·6	7·8	8·3	23·1	16	0	233	30	48	39	33	178	36°·5

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1919.

CAUSES OF DEATH.	All Ages.	Age.												Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-		
Enteric Fever - - - - -	3	-	-	-	-	1	-	-	1	-	1	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	60	12	42	5	-	1	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	19	-	9	5	2	2	1	-	-	-	-	-	-	
Whooping-cough - - - - -	20	8	12	-	-	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	47	7	26	12	-	1	-	1	-	-	-	-	-	
Influenza - - - - -	7	1	-	-	-	-	-	1	1	1	-	3	-	
Erysipelas - - - - -	16	2	-	-	-	-	1	1	6	-	4	2	-	
Phthisis, Pulmonary Tuberculosis - - - - -	157	-	-	5	4	22	41	41	23	14	6	1	-	
Tuberculous Meningitis - - - - -	30	6	16	-	4	2	-	2	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	21	4	7	5	1	1	-	3	-	-	-	-	-	
Other Tuberculous Diseases - - - - -	34	1	2	6	3	5	3	4	3	5	1	1	-	
Cancer, Malignant Disease - - - - -	236	1	-	-	-	2	3	22	50	69	66	23	-	
Rheumatic Fever - - - - -	8	-	-	1	-	3	1	1	-	2	-	-	-	
Meningitis - - - - -	24	8	7	1	1	2	2	2	-	1	-	-	-	
Organic Heart Disease - - - - -	282	2	1	3	4	13	18	21	39	58	61	62	-	
Bronchitis - - - - -	257	45	10	1	-	2	5	9	16	51	65	53	-	
Pneumonia (all forms) - - - - -	332	62	61	10	4	17	20	25	25	41	42	25	-	
Other Diseases of Respiratory Organs - - - - -	54	6	5	2	-	5	6	3	3	7	9	8	-	
Diarrhoea and Enteritis (under 2 years) - - - - -	49	46	3	-	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	24	-	2	2	5	7	4	2	1	-	1	-	-	
All Liver Diseases (not Malignant) - - - - -	17	-	-	-	-	4	1	-	4	5	1	2	-	
Other Diseases of Digestive System - - - - -	89	14	3	2	3	5	5	10	17	9	9	12	-	
Nephritis and Bright's Disease - - - - -	84	2	1	1	2	4	6	6	17	19	19	7	-	
Puerperal Sepsis - - - - -	13	-	-	-	-	3	7	3	-	-	-	-	-	
Other Diseases & Accidents of Preg. & Parturition - - - - -	29	-	-	-	-	5	18	6	-	-	-	-	-	
Congenital Debility and Malformation, including Premature Birth - - - - -	244	243	1	-	-	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	123	8	11	6	8	9	9	16	13	21	11	11	-	
Suicide - - - - -	9	-	-	-	-	-	-	4	1	3	1	-	-	
Other Defined Diseases - - - - -	692	72	13	8	4	9	19	39	70	91	137	230	-	
Diseases Ill-defined or Unknown - - - - -	71	5	1	-	1	2	2	10	8	15	20	6	1	
All Causes - - - - -	3051	555	233	75	46	126	173	232	298	412	454	446	1	

* Sole Cause specified, vide pp. 94-95.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1919.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	...	...	3	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	18	4	10	2	1	...	12	...
Scarlet Fever	7	5	...	1	1	2	...	...
Whooping-cough	4	1	...	11	1	...	3	...
Diphtheria and Croup	21	13	1	5	1	...	1	1
Influenza (<i>Sole Cause specified</i>)	1	2	...	...	...	...	...	...
Erysipelas	9	2	...	...	...	...	1	1
Phthisis, Pulmonary Tuberculosis	96	13	11	14	3	4	3	4
Tuberculous Meningitis	8	4	1	4	1	3	...	...
Abdominal Tuberculosis	12	2	1	...	...	...	1	1
Other Tuberculous Diseases	16	9	...	5	1	1	...	...
Cancer, Malignant Disease	103	43	20	17	8	10	6	3
Rheumatic Fever	1	2	1	...	...	1	...	...
Meningitis	9	2	3	1	1	2	1	...
Organic Heart Disease	118	39	23	18	11	15	13	8
Bronchitis	143	26	21	10	17	4	9	5
Pneumonia (all forms)	190	28	28	14	11	7	20	6
Other Diseases of Respiratory Organs	25	10	3	5	...	3	3	...
Diarrhoea and Enteritis (under 2 years)	20	3	3	3	2	2	2	2
Appendicitis and Typhlitis	15	3	...	2	...	...	1	...
All Liver Diseases (not Malignant)	10	3	1	1	...	...	...	...
Other Diseases of Digestive System	41	11	9	9	2	3	1	2
Nephritis and Bright's Disease	39	12	8	3	3	1	2	1
Puerperal Sepsis	6	1	1	1	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition	16	1	3	3	1	...	...	...
Congenital Debility and Malformation, including Premature Birth	97	26	27	24	10	8	10	2
Violent Deaths, excluding Suicide	56	23	14	6	...	4	6	3
Suicide	5	1	...	...	1	1	...	1
Other Defined Diseases	274	123	56	68	18	24	28	17
Diseases Ill-defined or Unknown	32	5	9	3	3	2	5	...
All Causes	1392	417	257	230	97	98	128	57
<i>Influenza—Contributory Cause, otherwise classified above</i>	9	1	1	3	...	...	2	...
AGE AT DEATH.								
Under 1	239	57	49	48	22	24	26	9
1-4	104	23	14	19	7	7	25	1
5-9	30	15	4	7	2	3	4	1
10-14	20	5	3	5	2	...	2	1
15-24	70	13	8	12	3	4	1	3
25-34	95	18	15	13	3	2	9	2
35-44	127	29	17	7	2	7	9	4
45-54	150	38	33	14	10	7	9	8
55-64	202	58	36	21	21	8	10	8
65-74	194	72	30	37	9	25	19	10
75 and over	160	89	48	47	16	11	14	10
Not stated	1	...	...	...	...	...	...	...
All Ages	1392	417	257	230	97	98	128	57

DEATHS IN EACH TOWN (corrected for Transfers)—December 1919—*continued.*

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles	8	...	...	3	1	...	1	...
Scarlet Fever ... ..	...	...	...	...	1	...	2	...
Whooping-cough ... ..	...	...	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	2	...	2	...	...	...
Influenza (<i>Sole Cause specified</i>) ... ..	...	...	1	...	1	...	...	2
Erysipelas	1	...	1	...	...	...	1	...
Phthisis, Pulmonary Tuberculosis	1	1	...	...	2	2	1	2
Tuberculous Meningitis	1	4	1	...	...	...	2	1
Abdominal Tuberculosis ... ..	...	1	...	...	1	2	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	...	1	...	1
Cancer, Malignant Disease	8	4	4	1	1	2	4	2
Rheumatic Fever ... ..	...	...	...	1	1	...	1	...
Meningitis	2	...	1	...	2	...	...	...
Organic Heart Disease	4	7	6	3	6	5	3	3
Bronchitis	5	2	2	6	2	3	...	2
Pneumonia (all forms)	9	2	1	3	4	4	4	1
Other Diseases of Respiratory Organs ... ..	...	...	1	1	2	...	1	...
Diarrhoea and Enteritis (under 2 years)	3	1	2	1	...	1	2	2
Appendicitis and Typhlitis ... ..	...	...	3	...	...	...	...	...
All Liver Diseases (not Malignant)	1	...	...	...	...	...	1	...
Other Diseases of Digestive System	1	4	1	...	1	1	2	1
Nephritis and Bright's Disease	1	5	1	1	2	1	3	1
Puerperal Sepsis ... ..	...	1	1	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	3	...	...	...	...	...	1	1
Congenital Debility and Malformation, including Premature Birth	3	5	5	9	5	4	2	7
Violent Deaths, excluding Suicide	1	1	...	...	5	2	2	...
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases	17	7	13	9	12	8	7	11
Diseases Ill-defined or Unknown ... ..	...	1	2	3	1	1	...	4
All Causes	69	46	48	42	52	37	40	41
<i>Influenza—Contributory Cause, otherwise classified above</i>	1	...	...	...	...	...	1	...
AGE AT DEATH.								
Under 1	11	13	9	15	12	6	5	10
1-4	11	3	5	4	8	1	1	...
5-9	2	...	1	2	2	...	2	...
10-14	1	...	1	...	2	1	2	1
15-24	5	...	1	...	4	...	1	1
25-34	3	...	2	2	2	2	5	...
35-44	7	6	1	1	5	5	3	2
45-54	8	6	1	2	2	2	6	2
55-64	9	4	9	3	8	6	3	6
65-74	7	6	8	6	6	10	6	9
75 and over	5	8	10	7	1	4	6	10
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages	69	46	48	42	52	37	40	41

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of DECEMBER 1919.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS.													
		Mean at Station and 32°.		Mean at Sea-Level and 32°.		Mean of	Maximum (A).	Minimum (B.)	Mean of A and B (Mean Tem- perature).	Difference from Average	Maximum	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.									
		inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	per cent.		inch.	inch.	inch.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, JAMES CONNELL, The Observatory.	184	29.378	29.535		43.5	36.5	40.0	+0.5	50	20th	26	26th	39.6	1.7	.210	86	27	5.42	+1.27	1	1	5	7	9	12	15	7	5			
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.088	29.571		42.8	35.5	39.2	+0.3	49	3, 5, 20	26	26th	38.9	2.1	.196	84	22	3.14	+0.98	2	2	2	5	9	18	15	5	4			
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.357	29.542		40.4	32.7	36.6	-1.0	48	20th	22	26th	36.5	1.0	.197	92	23	4.18	+1.52	0	4	0	5	0	32	0	21	0			
ABERDEEN,* The Meteorological Office.	90	29.429	29.531		42.5	34.5	38.5	-0.1	51	19, 20	25	27th	38.8	1.1	.215	91	24	5.57	+2.35	1	0	0	5	14	15	17	8	2			
PAISLEY, The Coats Observatory.	107	29.466	29.587		43.7	35.7	39.7	-0.2	50	20th	25	26th	40.0	1.6	.215	87	27	7.08	+2.03	2	0	3	5	10	10	14	8	10			
LEITH,† JAMES BOLAM, Navigation School.	76	29.496	29.582		43.0	36.1	39.6	-0.3	50	19, 20	25	26th	39.8	1.7	.211	87	24	2.82	+0.62	4	0	2	2	12	16	22	2	2			
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.325	29.588		43.9	36.3	40.1	+0.7	50	19th	28	26, 27	39.9	1.6	.214	87	28	10.85	+2.96	0	1	4	12	0	17	19	9	0			
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.526	29.551		43.4	31.8	37.6	+0.1	51	19th	17	26th	..	..	..	..	19	3.87	+0.64	6	2	0	7	8	5	20	14	0
Means	165	29.383	29.567		42.9	34.9	38.9	0.0	..	..	..	..	39.1	1.5	.208	88	24	5.37	+1.55	2	1	2	6	8	16	15	9	3

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 56° 57'; Perth, 56° 23'; Mean, 56° 11'.
West Longitude.—Glasgow, 4° 13'; Edinburgh, 8° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 8° 8'; Greenock, 4° 46'; Perth, 8° 25'; Mean, 3° 32'.

† At 9 A.M. only.

* At King's College at 7 A.M. and 6 P.M.
† At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.